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ARBORETUM ET FRUTICETUM
BRITANNICUM.

VOL. V.

FIRST VOLUME OF PLATES.

LONDON :
Printed by A. SPOTTISWOODE,
New-Street-Square.

ARBORETUM ET FRUTICETUM BRITANNICUM;

OR,

THE TREES AND SHRUBS OF BRITAIN,
Native and Foreign, Hardy and Half-Hardy,
PICTORIALLY AND BOTANICALLY DELINEATED,
AND SCIENTIFICALLY AND POPULARLY DESCRIBED;

WITH

THEIR PROPAGATION, CULTURE, MANAGEMENT,
AND USES IN THE ARTS, IN USEFUL AND ORNAMENTAL PLANTATIONS, AND IN
LANDSCAPE-GARDENING;

PRECEDED BY A

HISTORICAL AND GEOGRAPHICAL OUTLINE
OF THE TREES AND SHRUBS OF TEMPERATE CLIMATES
THROUGHOUT THE WORLD.

By J. C. LOUDON, F.L. & H.S., &c.

AUTHOR OF THE ENCYCLOPÆDIAS OF GARDENING AND OF AGRICULTURE,
AND CONDUCTOR OF THE GARDENER'S MAGAZINE.

IN EIGHT VOLUMES :

FOUR OF LETTERPRESS, ILLUSTRATED BY ABOVE 2500 ENGRAVINGS;
AND FOUR OF OCTAVO AND QUARTO PLATES.

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VOL. V.

THE PLATES FROM *MAGNOLIA* *CÆ* TO *LEGUMINO* *SÆ* INCLUSIVE.

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LONDON:

PRINTED FOR THE AUTHOR;

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LONGMAN, ORME, BROWN, GREEN, AND LONGMANS;

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1838.



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| <i>M. grandiflora</i>                                    | - I. p. 261. (1.)    | <i>T. (c.) platyphylla</i>                                        | - I. p. 365. (19.)        |
| <i>M. g. exoniensis</i>                                  | - I. p. 261. (3.)    | <i>T. (c.) p. minor</i>                                           | - I. p. 365. (20.)        |
| <i>M. macrophylla</i>                                    | - I. p. 271. (7.)    | <i>T. (a.) pubescens</i>                                          | - I. p. 374. (22. or 27.) |
| <i>M. (a.) pyramidata</i>                                | - I. p. 277. (9.)    | Three-thorned Acacia. See <i>Gleditschia</i> .                    |                           |
| <i>M. tripétala</i>                                      | - I. p. 269. (6.)    | Toothache Tree. See <i>Xanthoxylum</i> .                          |                           |
| Maple. See <i>Acer</i> .                                 |                      | Tulip Tree. See <i>Liriodéndron</i> .                             |                           |
| <i>Negundo fraxinifolium</i> (the Box Elder)             | } I. p. 160. (11.)   | <i>Virgilia lutea</i>                                             | - II. p. 565. (66.)       |
| <i>N. f. crispum</i>                                     | - I. p. 160. (12.)   | <i>Xanthoxylum fraxineum</i> (the Toothache Tree)                 | } I. p. 188. (51.)        |



*Magnolia grandiflora.*  
The large-flowered evergreen Magnolia.



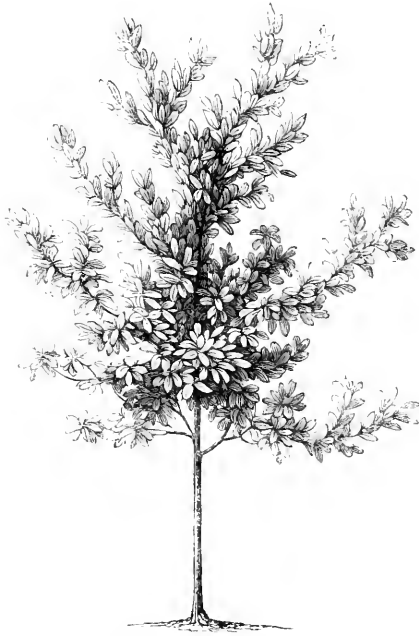
13½ ft. fr. high, 3 in. diam.





*Magnolia grandiflora exoniensis.*

The large-flowered evergreen Exeter Magnolia.



13 1/2 ft. high, 3 in. diam.





*Magnòlia gláuca.*

The glaucous-*leaved deciduous* Magnolia.



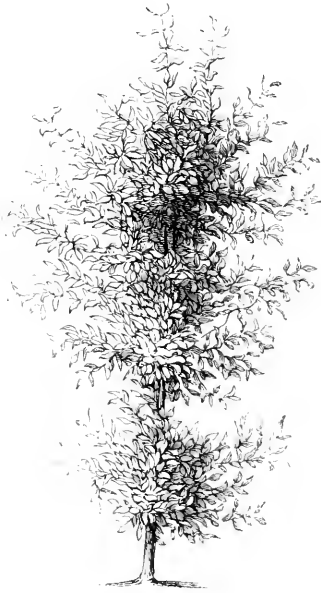
13 ft. high ; 4 in. diam.





*Magnolia glauca Thompsoniana.*

Thompson's glaucous-leaved deciduous Magnolia.



12½ ft. high, 3 in. diam.





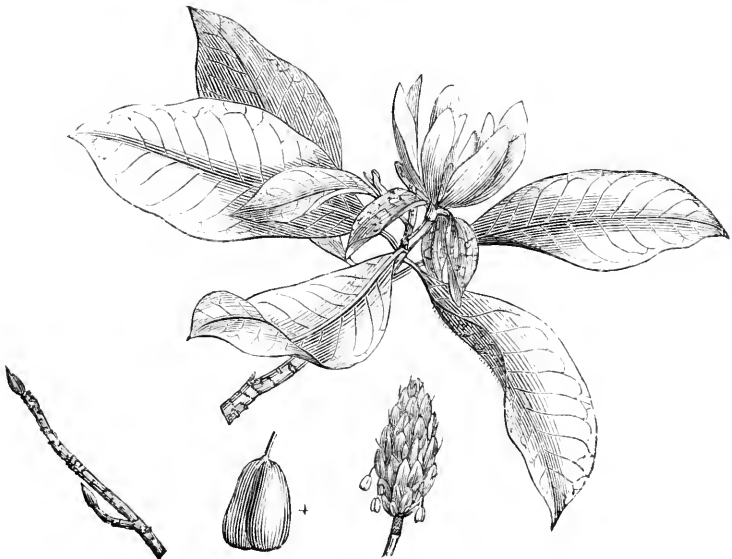


*Magnolia tripetala.*

The three-petaled-flowered deciduous Magnolia.



12¾ ft. high ; 3½ in diam.





*Magnolia macrophylla.*

The large-leaved *deciduous* Magnolia.

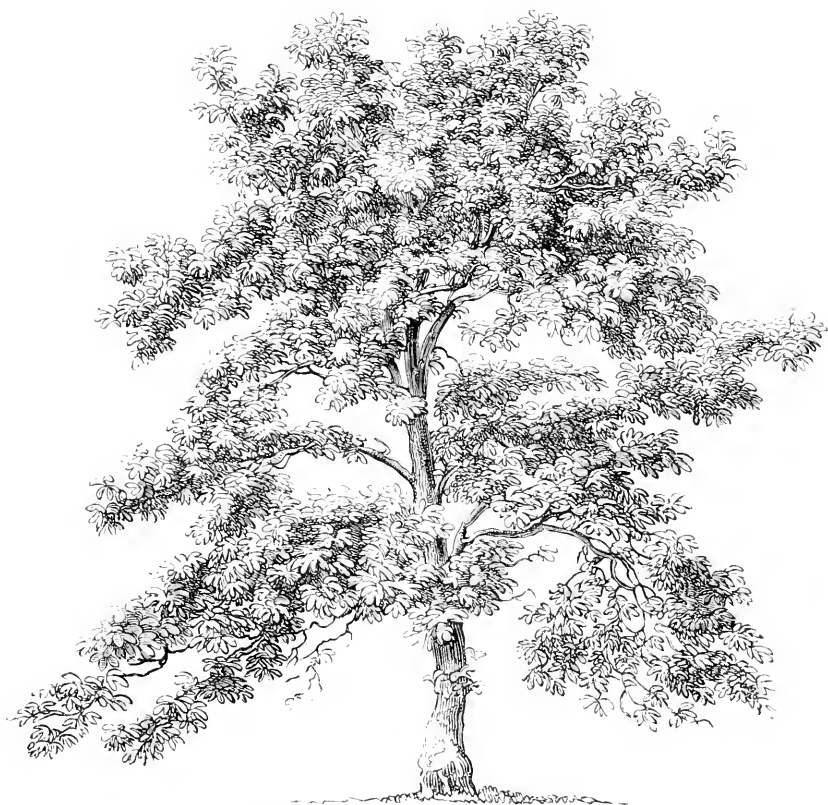




*Magnolia acuminata.*  
The pointed-leaved Magnolia.





*Magnòlia acuminàta.*The pointed-*leaved* Magnolia.

Full-grown tree at Syon, 49 ft. high; diam. of the trunk, 3 ft.; and of the head, 48 ft.

[Scale 1 in. to 12 ft.]







*Magnolia cordata.*

The heart-shaped-leaved *deciduous* Magnolia.



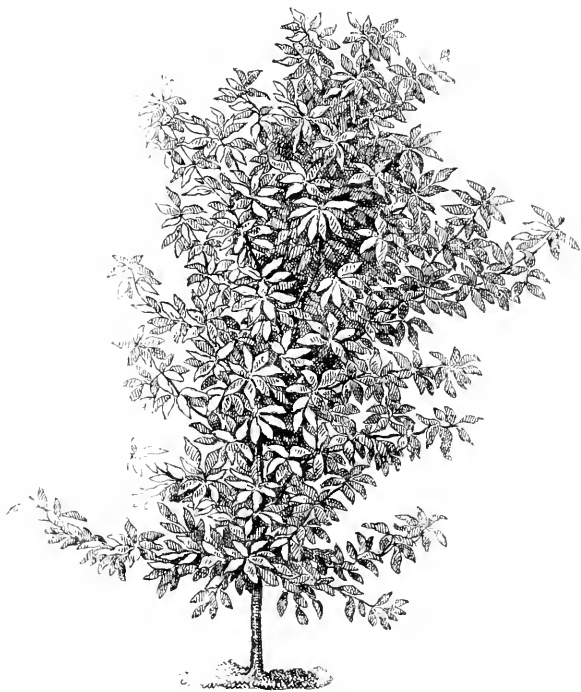
12½ ft. high; 4½ in diam.





*Magnolia auriculata.*

The ear-leaved deciduous Magnolia.



14½ ft. high, 3 in. diam.





*Magnòlia (auriculàta) pyramidàta.*

The pyramidal *deciduous* (ear-leaved) Magnolia.



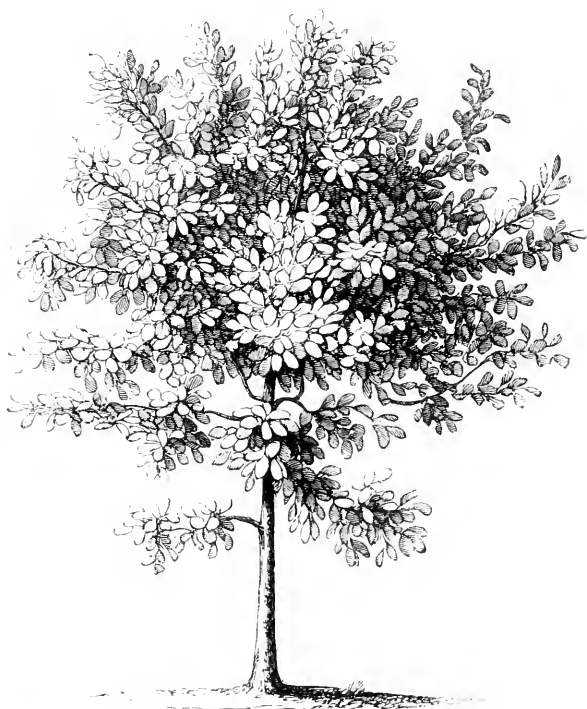
13 ft. high, 2½ in. diam.



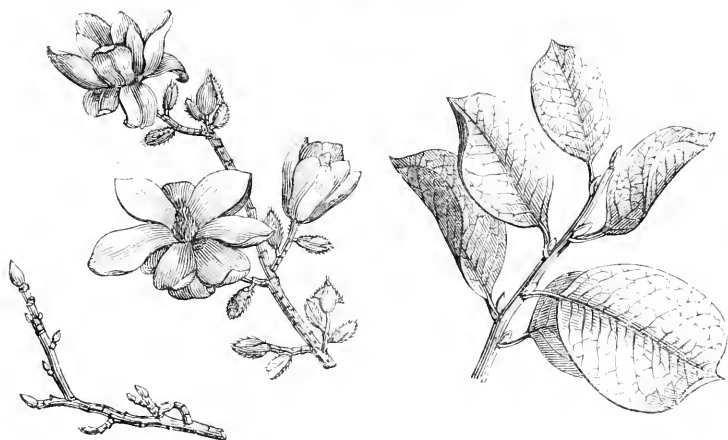


*Magnolia conspicua.*

The conspicuous-flowered, or Yulan, Magnolia.



14 ft. high, 4  $\frac{1}{2}$  in. diam.

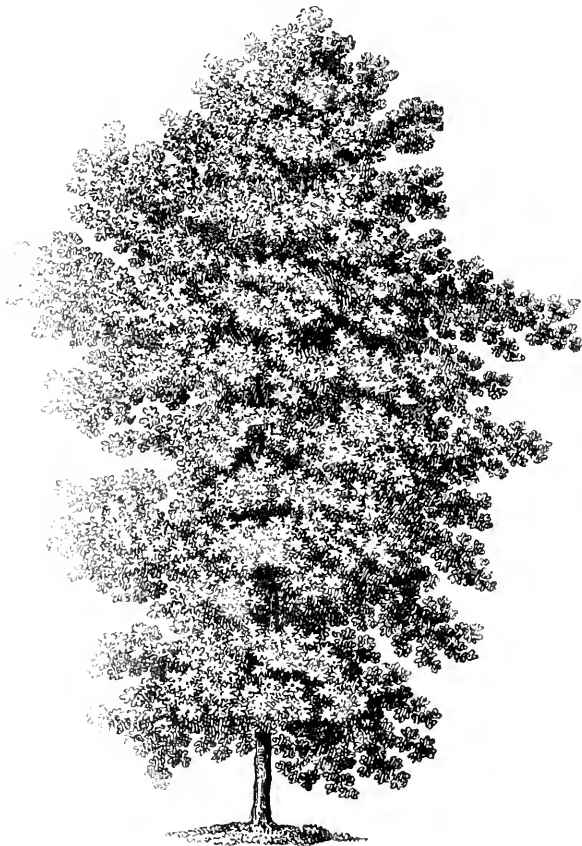






*Liriodendron Tulipifera.*

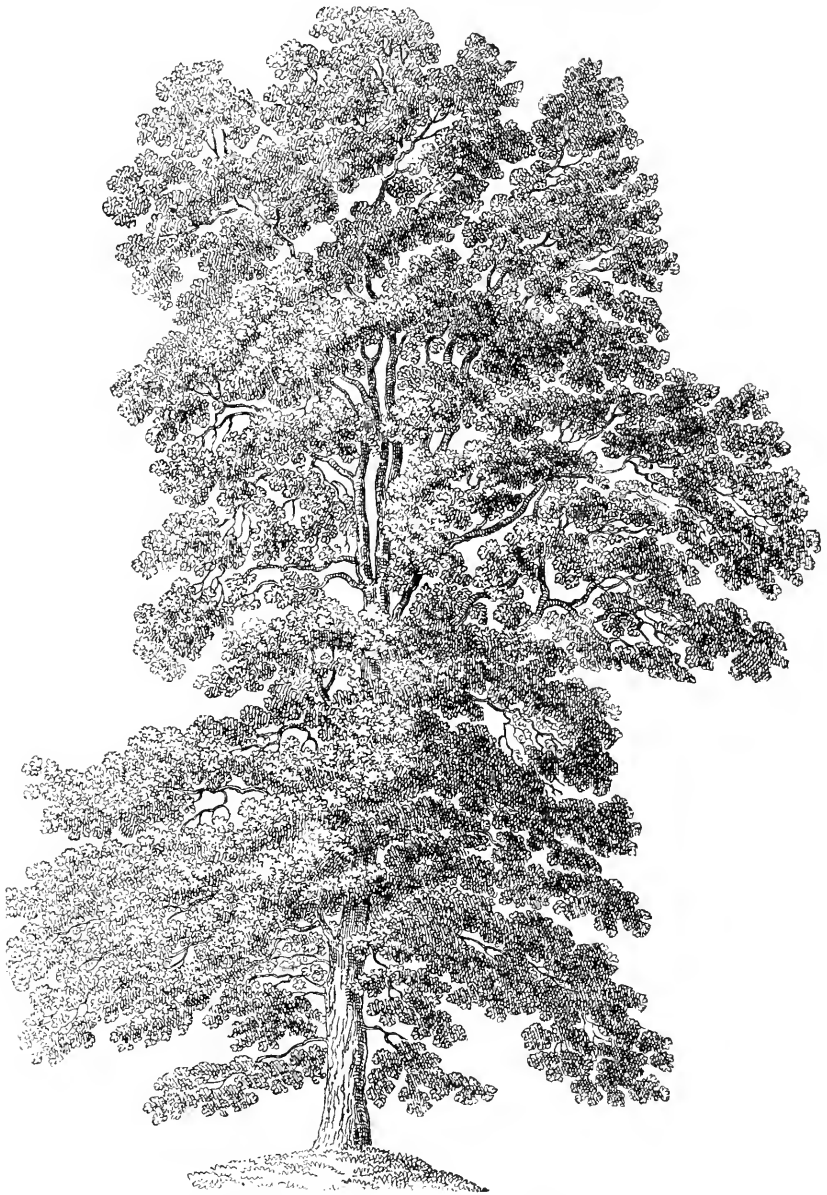
The Tulip tree.

18 ft. high,  $4\frac{1}{2}$  in. diam.



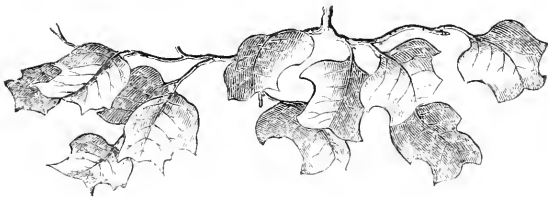
*Liriodéndron Tulipífera.*

The tulip-bearing *Liriodendron*, or the *Tulip tree*.



Full grown tree at Syon, 76 ft. high.

[Scale 1 in. to 12 ft.]





*Tilia europæa.*

The European, or common, Lime tree.



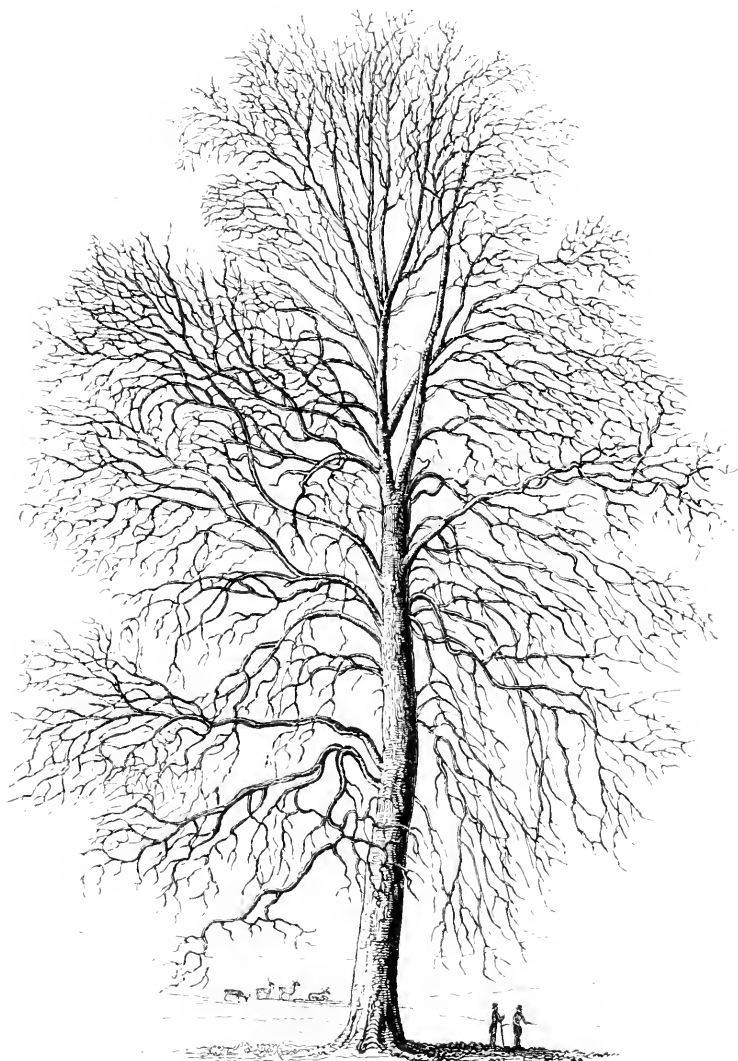
18 ft. high, 4 in. diam.



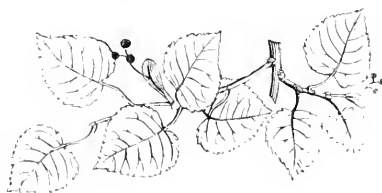


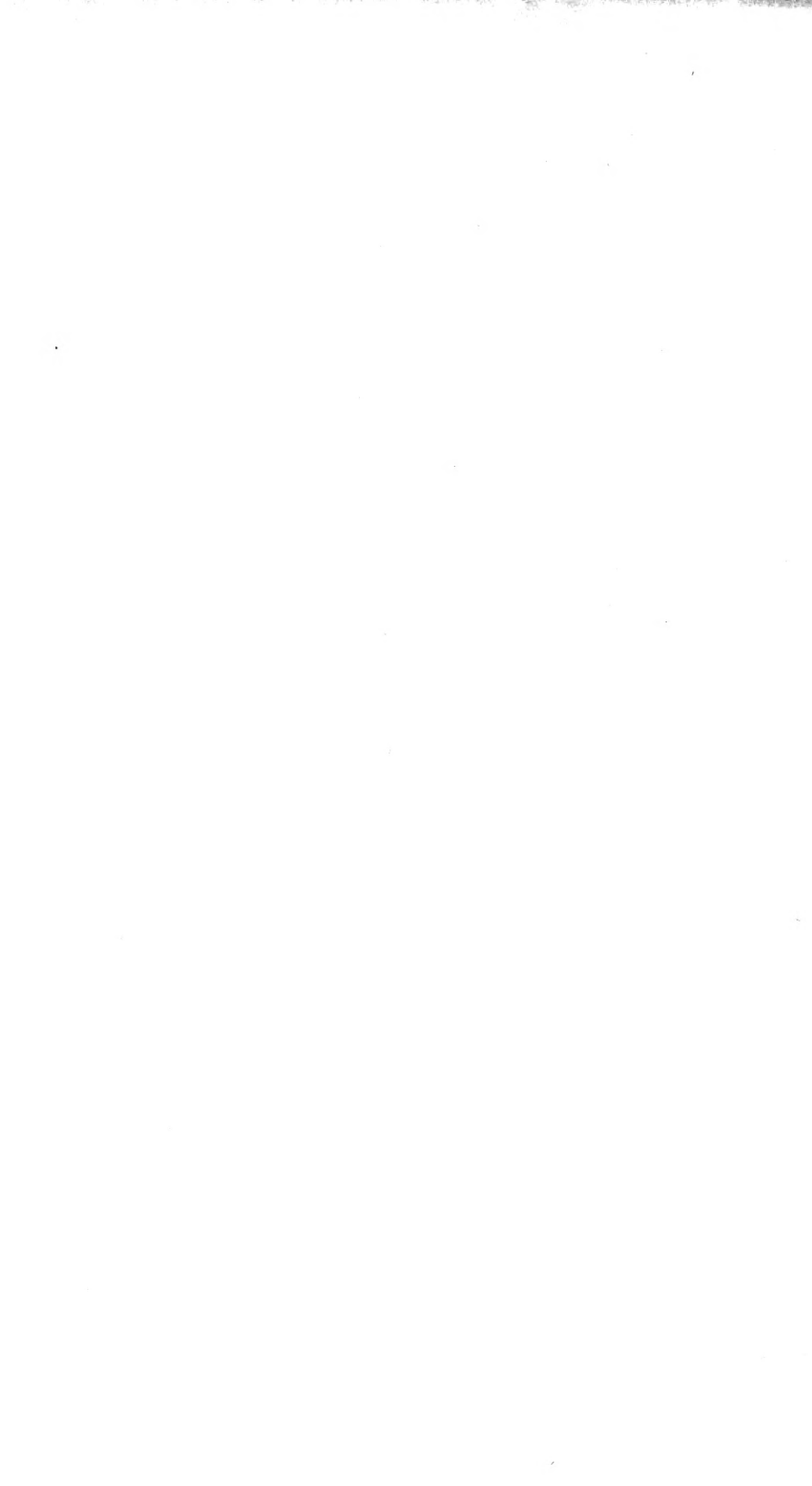
*Tilia europæa.*

The European, or common, Lime tree.



Full grown tree at Studley Park, 125 ft. high; diam. of the trunk, 6 ft.; and of the head, 75 ft.  
[Scale 1 in. to 24 ft.]

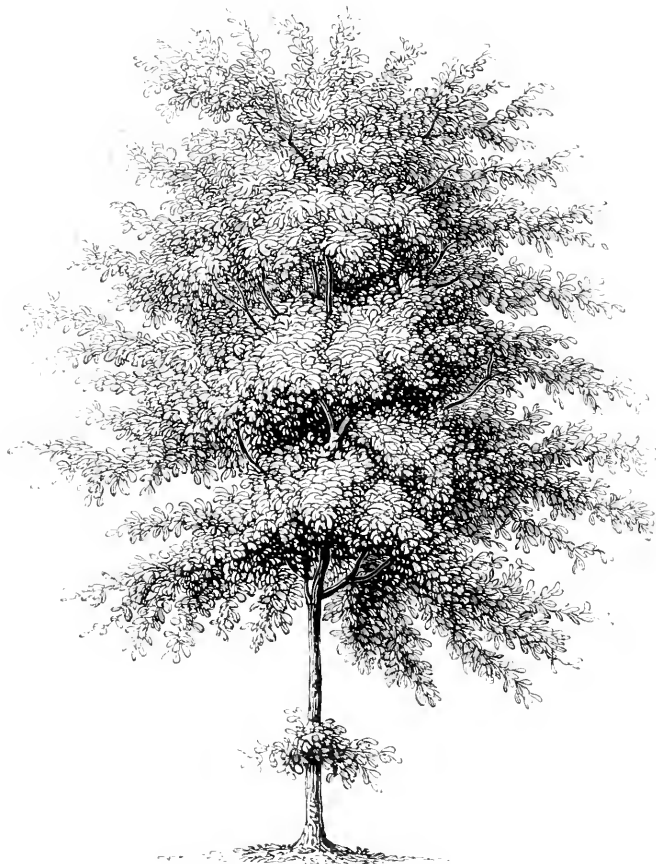






*Tilia platyphylla.*

The broad-leaved Lime tree.



18 ft. high ; 6 in. diam.





*Tilia europæa platyphýlla minor.*

The smaller broad-leaved European Lime tree.



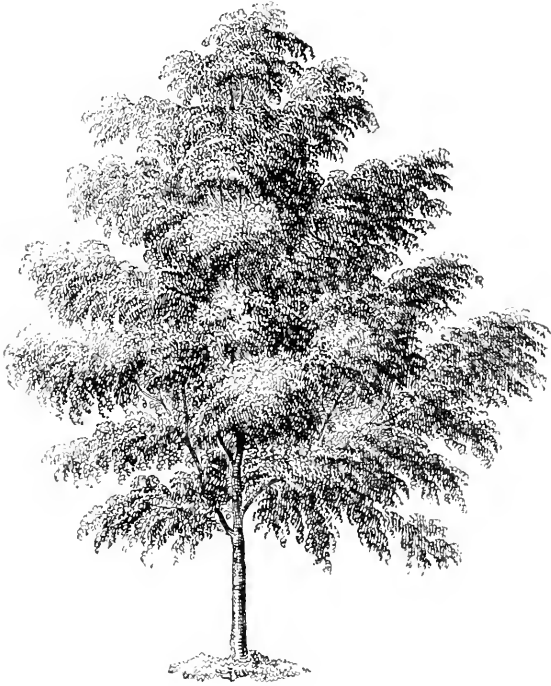
15 ft. h. 4 in. diam.





*Tilia europæa laciniata.*

The laciniated leaved European Lime tree.



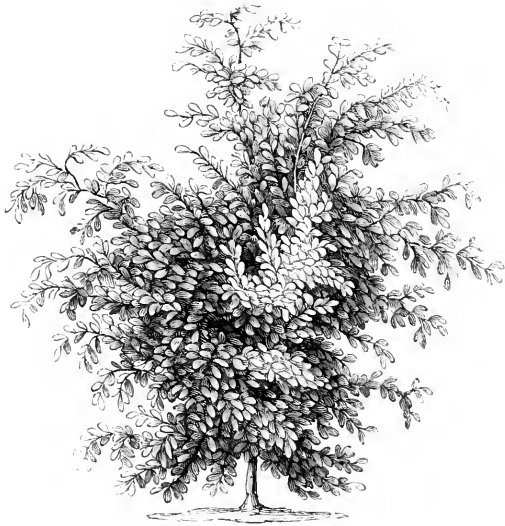
14  $\frac{1}{2}$  ft. high, 3 in. diam.





*Tilia (europæa) aûrea.*

The golden-twigged (European) Lime tree.



11 ft. high; 2½ in. diam.

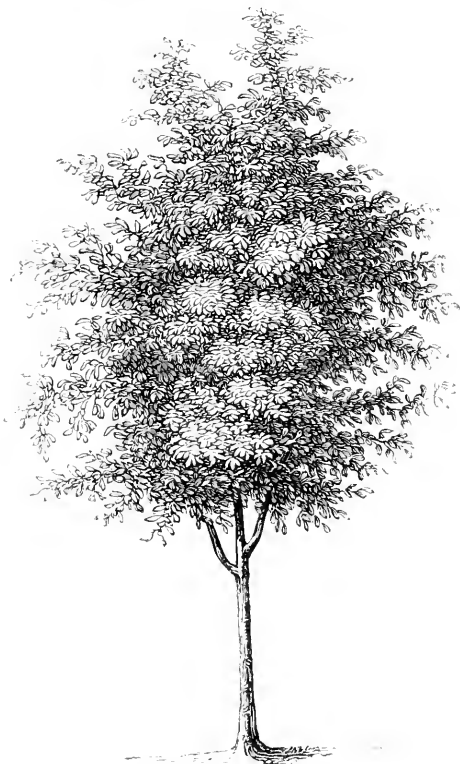






*Tilia (europæa) alba.*

The white-leaved (European) Lime tree.



16 ft. high, 3 in. diam.

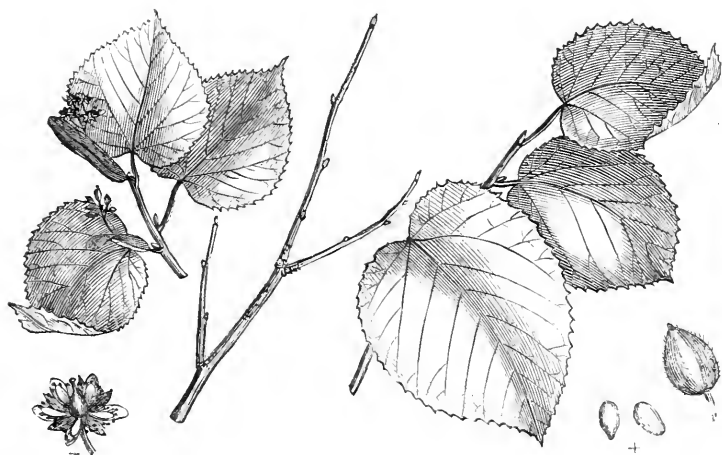


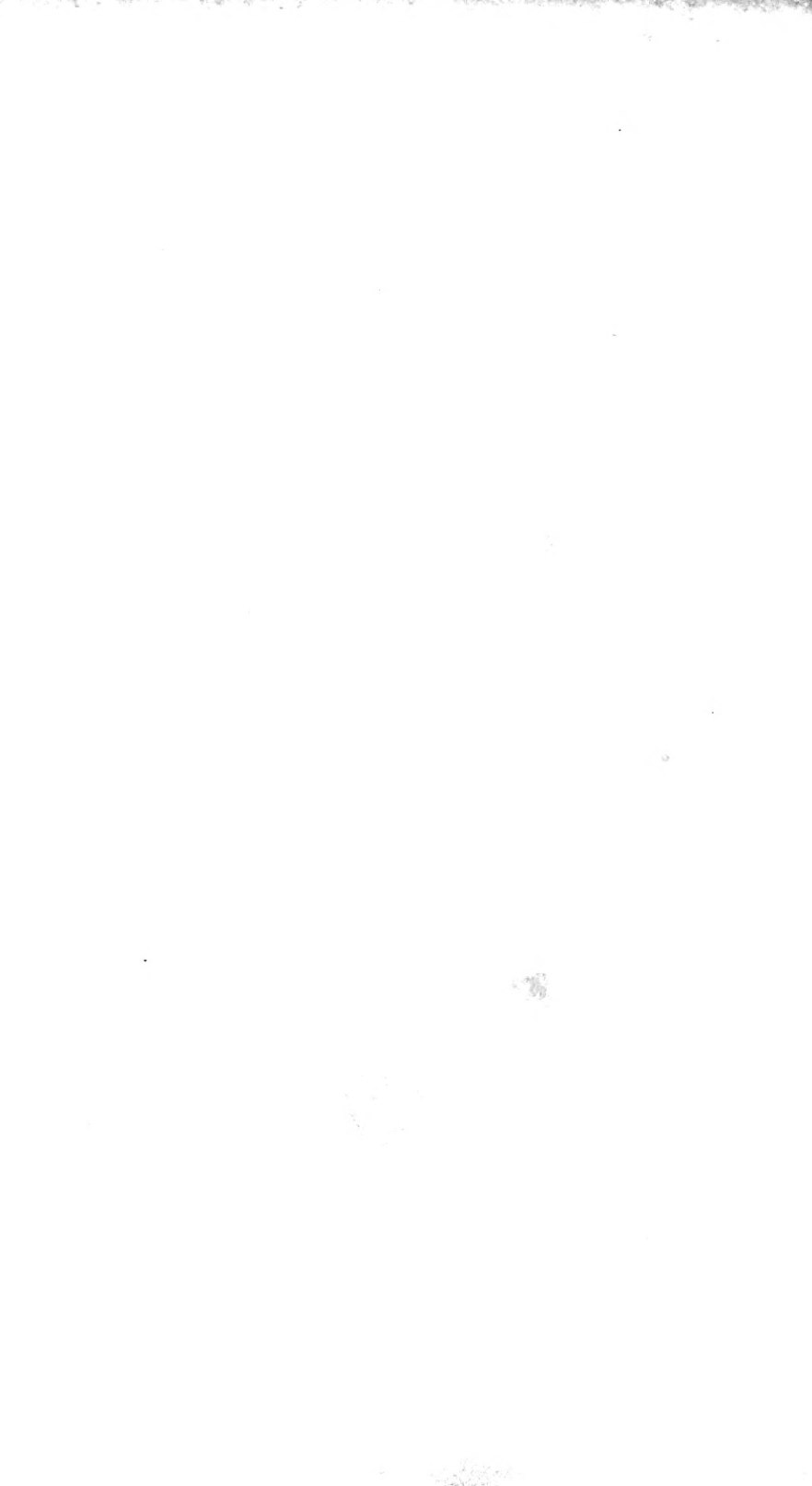


*Tilia americana.*  
The American Lime tree.



13 ft. high, 3 in. diam.





*Tilia americana laxiflora.*

The loose-flowered American Lime tree.



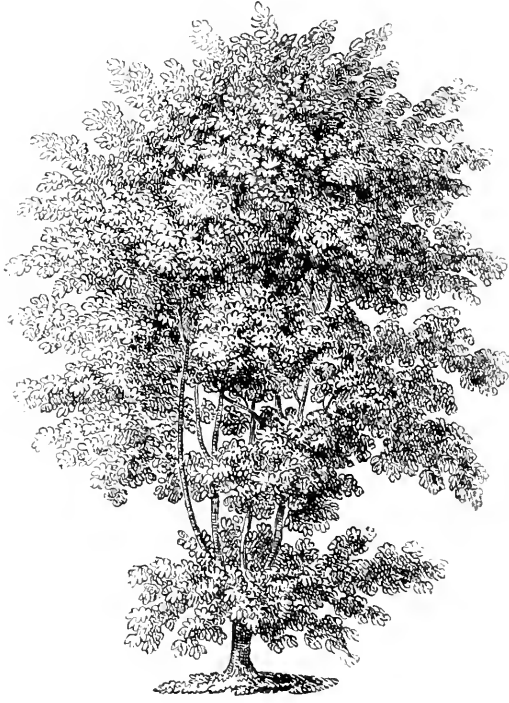
15 ft. high, 2  $\frac{3}{4}$  in diam.





*Tilia americana pubescens.*

The downy-leaved American Lime tree.



14 ft. high, 4½ in. diam.







*Acer tatáricum.*  
The Tartarian Maple.



15 ft. high, 4 in. diam.



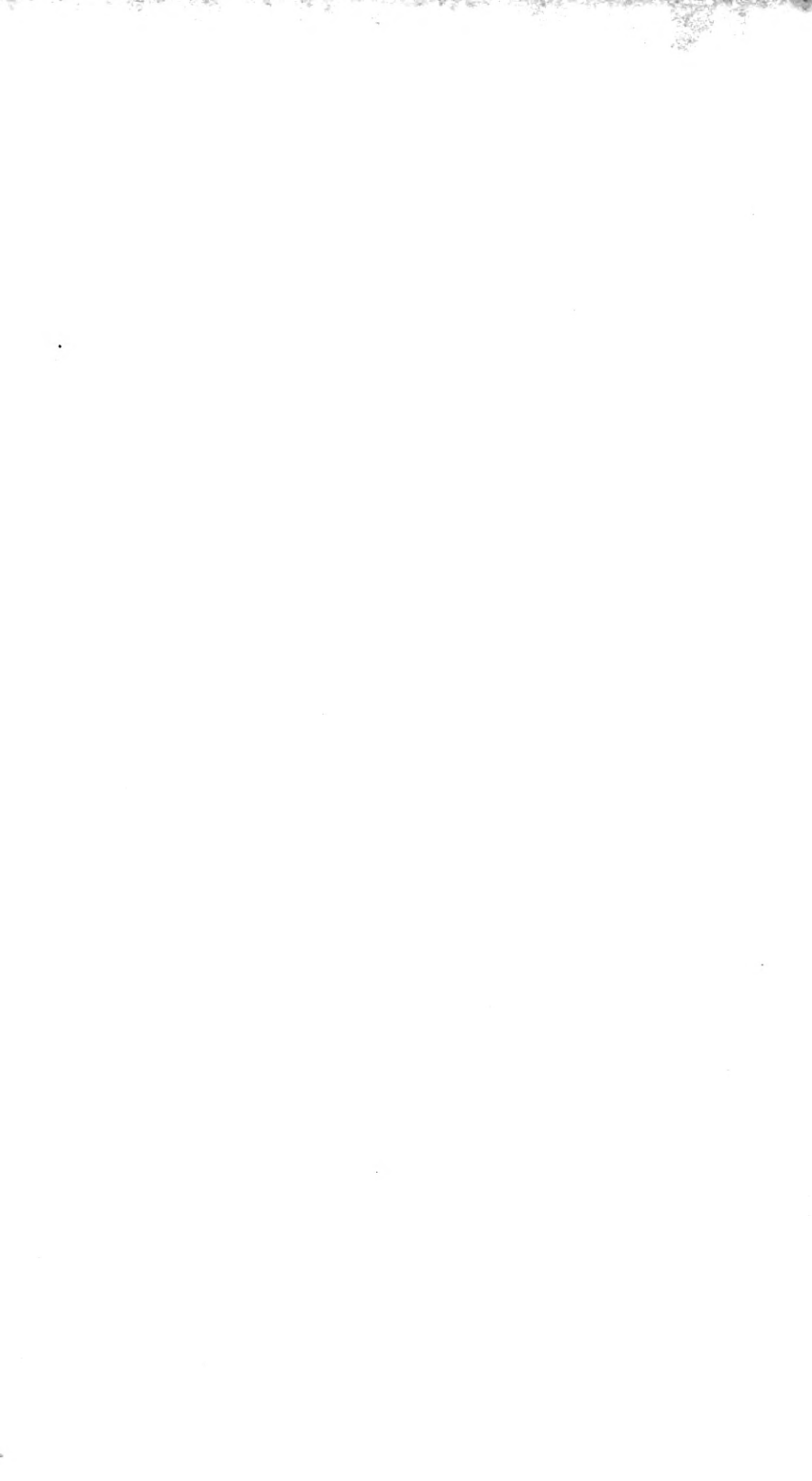


*Acer spicatum.*  
The spike-flowered Maple.

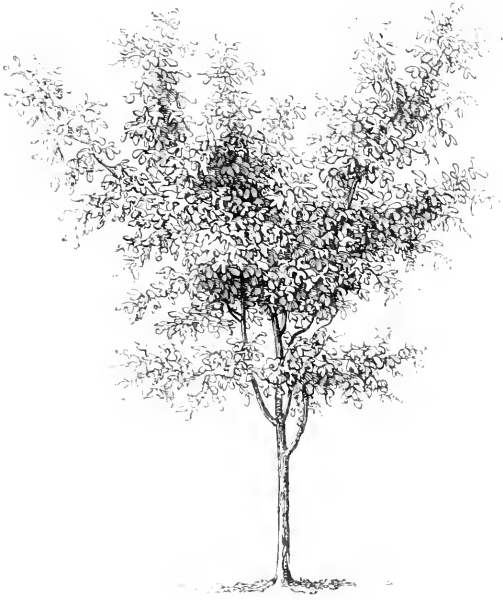


12½ ft. high, 3¼ in. diam

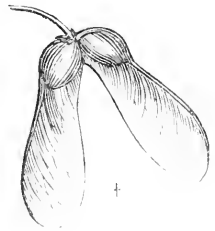
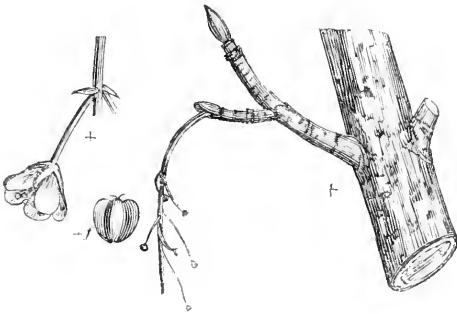




*Acer striatum.*  
The striped-barked Maple.

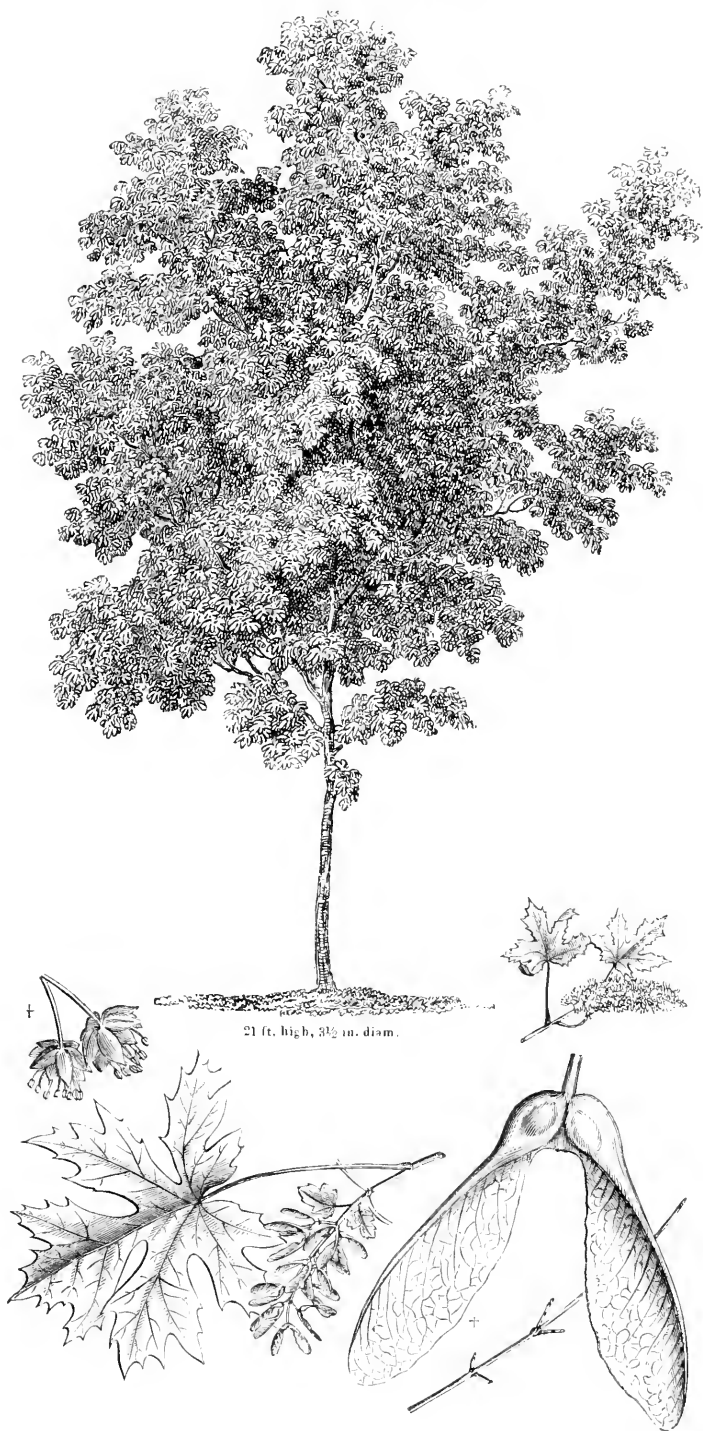


13 ft. high, 2½ in. diam.





*Acer macrophyllum.*  
The large-leaved Maple.

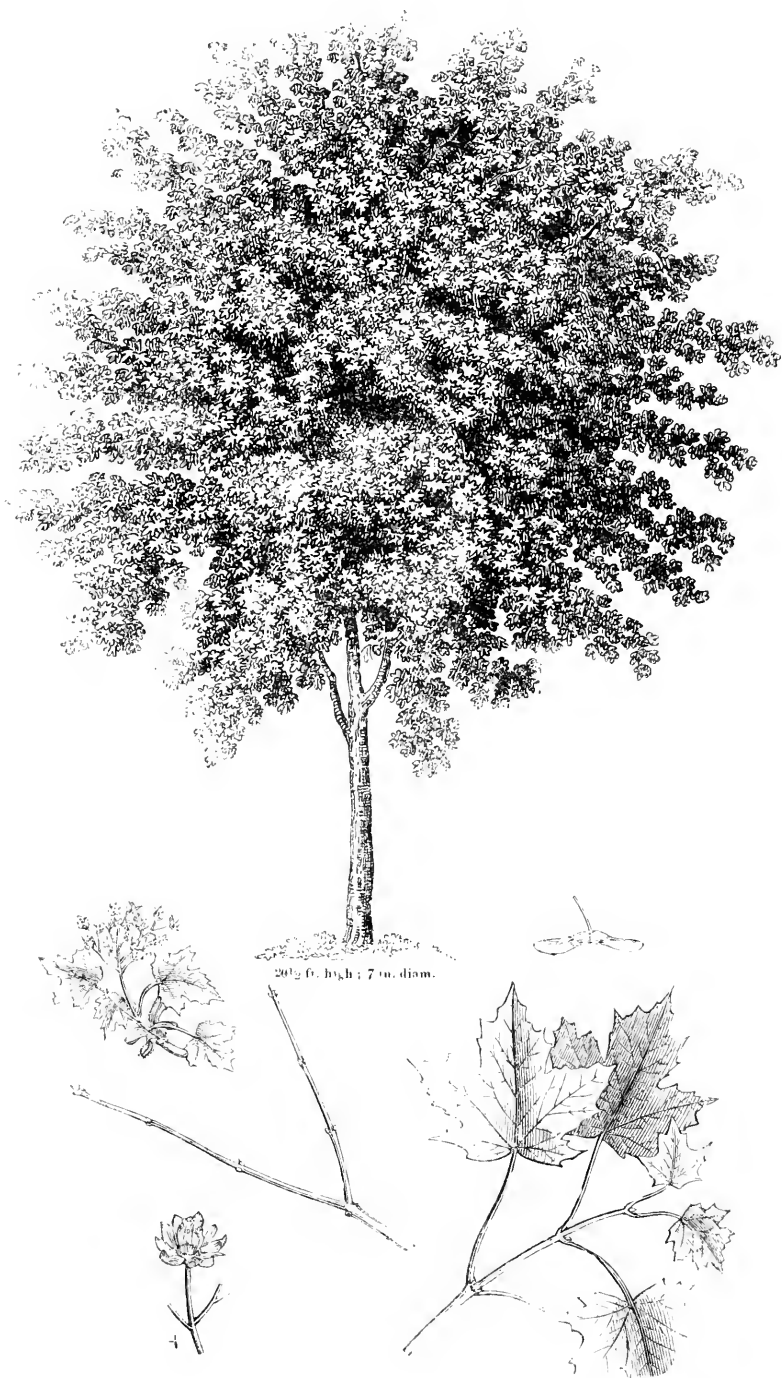






*Acer platanoides.*

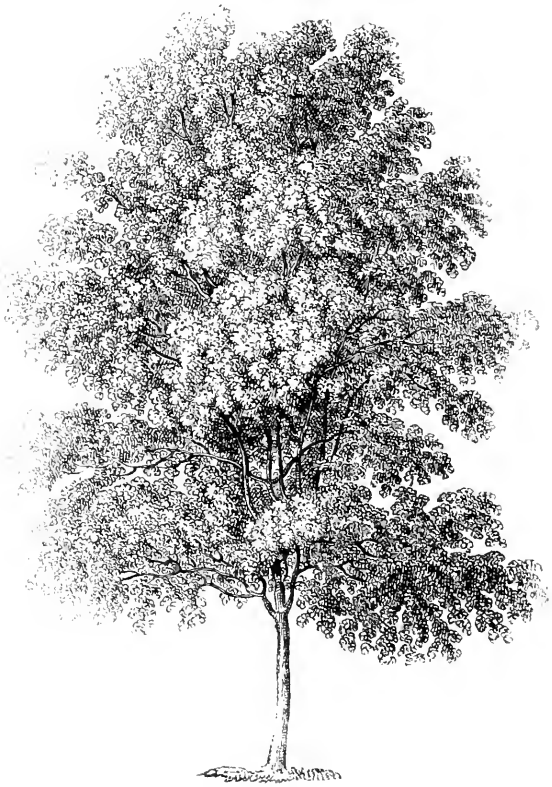
The Platanus-like, or Norway, Maple.





*Acer platanoides laciniatum.*

The cut-leaved Platanus-like, or Norway, Maple.



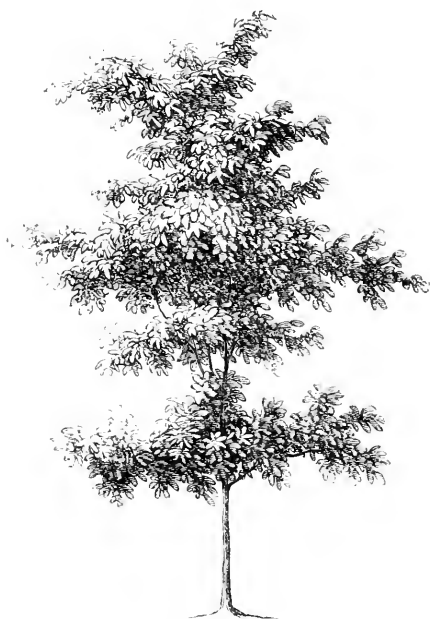
16 ft. high; 3 in. diam.





*Acer saccharinum.*

The Sugar Maple.



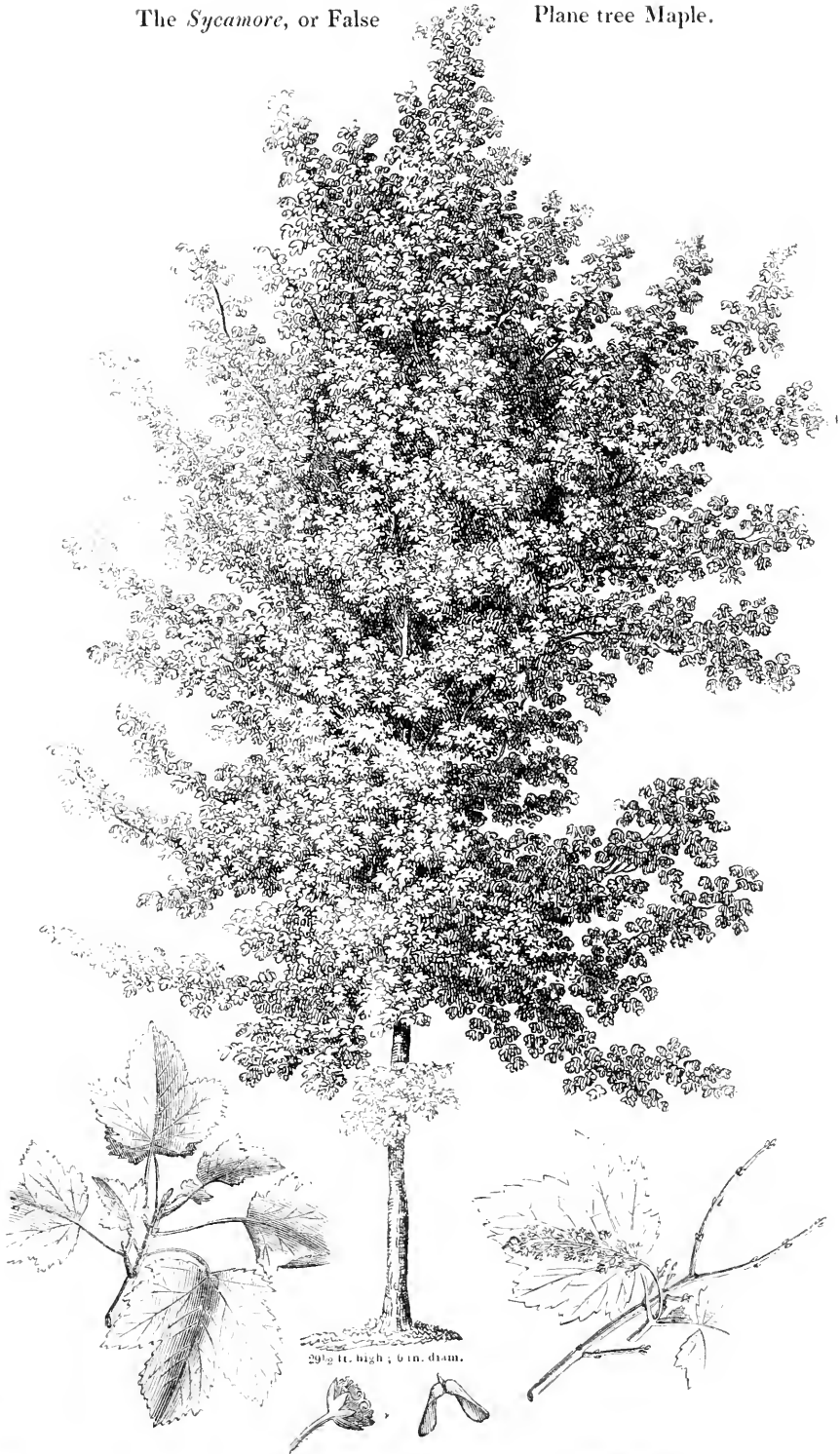
13 ft. high; 2 in. diam.





*Acer Pseudo-Platanus.*The *Sycamore*, or False

Plane tree Maple.





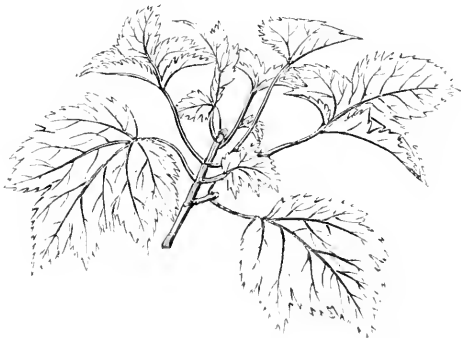


*Acer Pseudo-Platanus.*

The false Platanus, or common Sycamore.



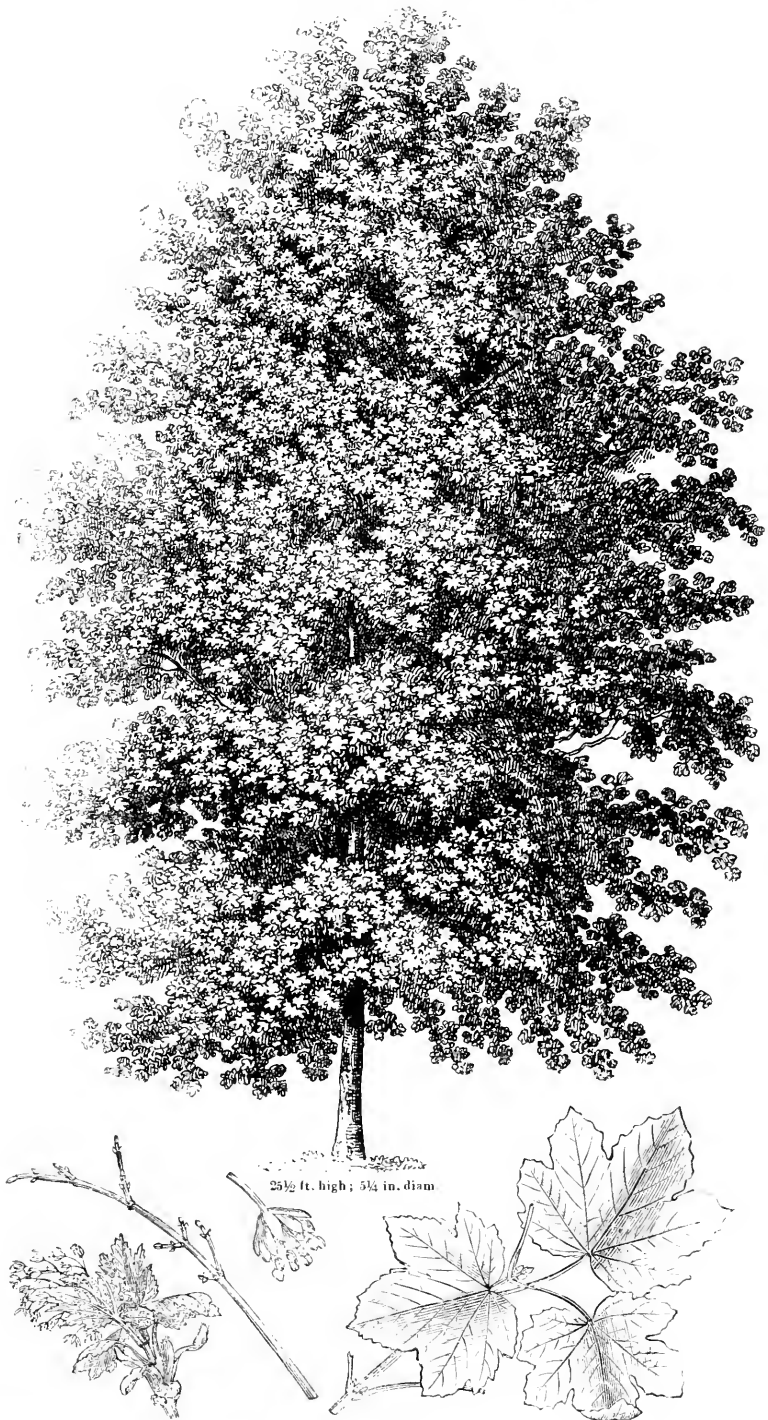
Full-grown tree at Studley, 100 ft. high, diam. of the trunk, 8 ft. 1 in.; and of the head, 91 ft.  
[Scale 1 in. to 24 ft.]





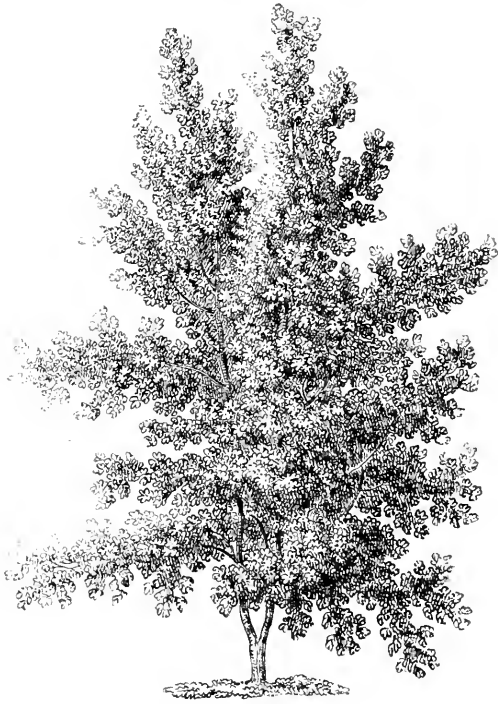
*Æcer obtusatum.*

The obtuse-lobed Maple.



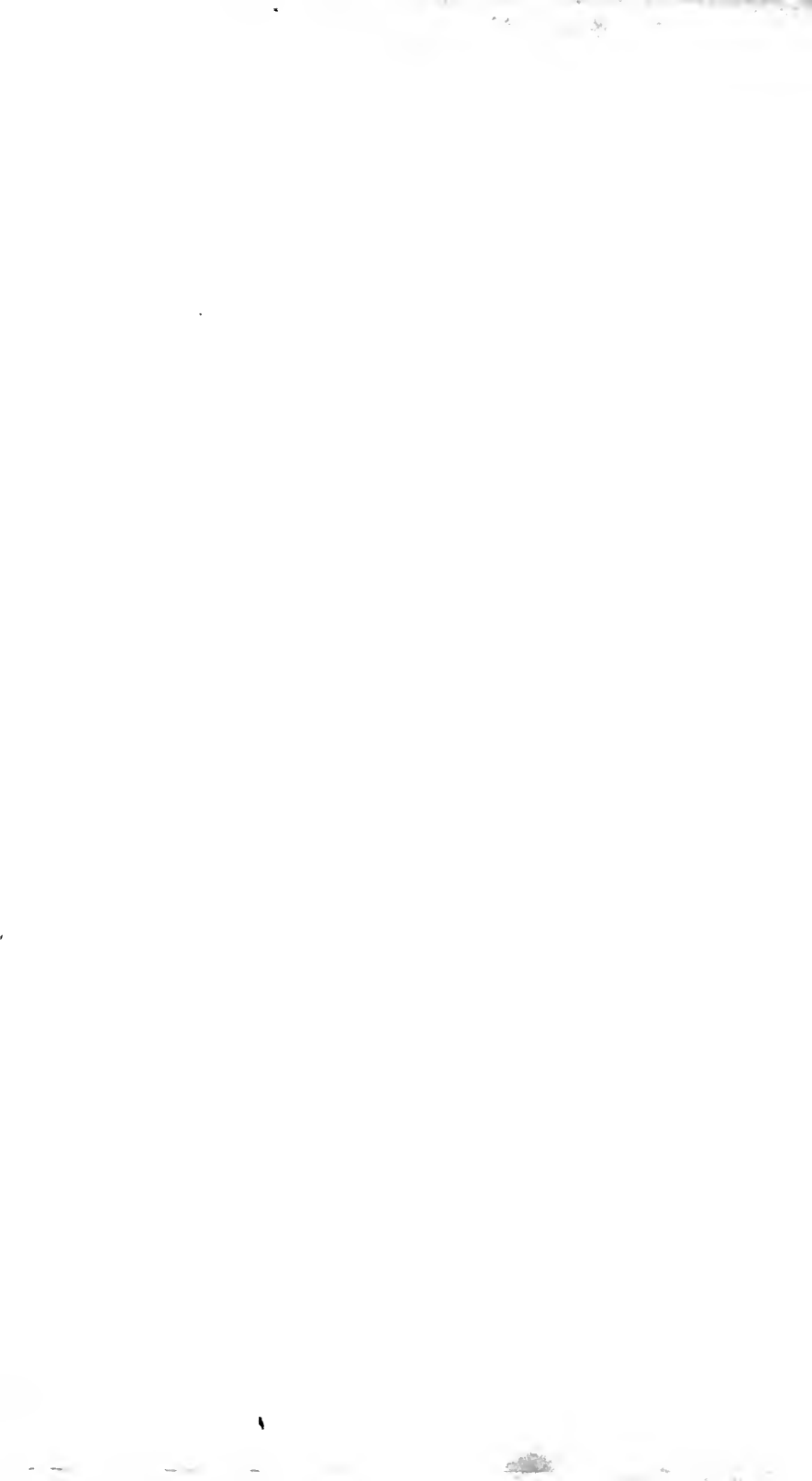


*Acer Opulifolium.*  
The Guelder-Rose-leaved Maple.



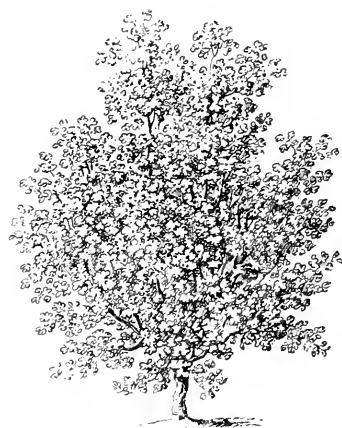
34  $\frac{3}{4}$  ft. high, 31  $\frac{1}{2}$  in diam





*Acer Opulus.*

The Guelder-rose-like Maple.



10 ft. high, 2½ in. diam.

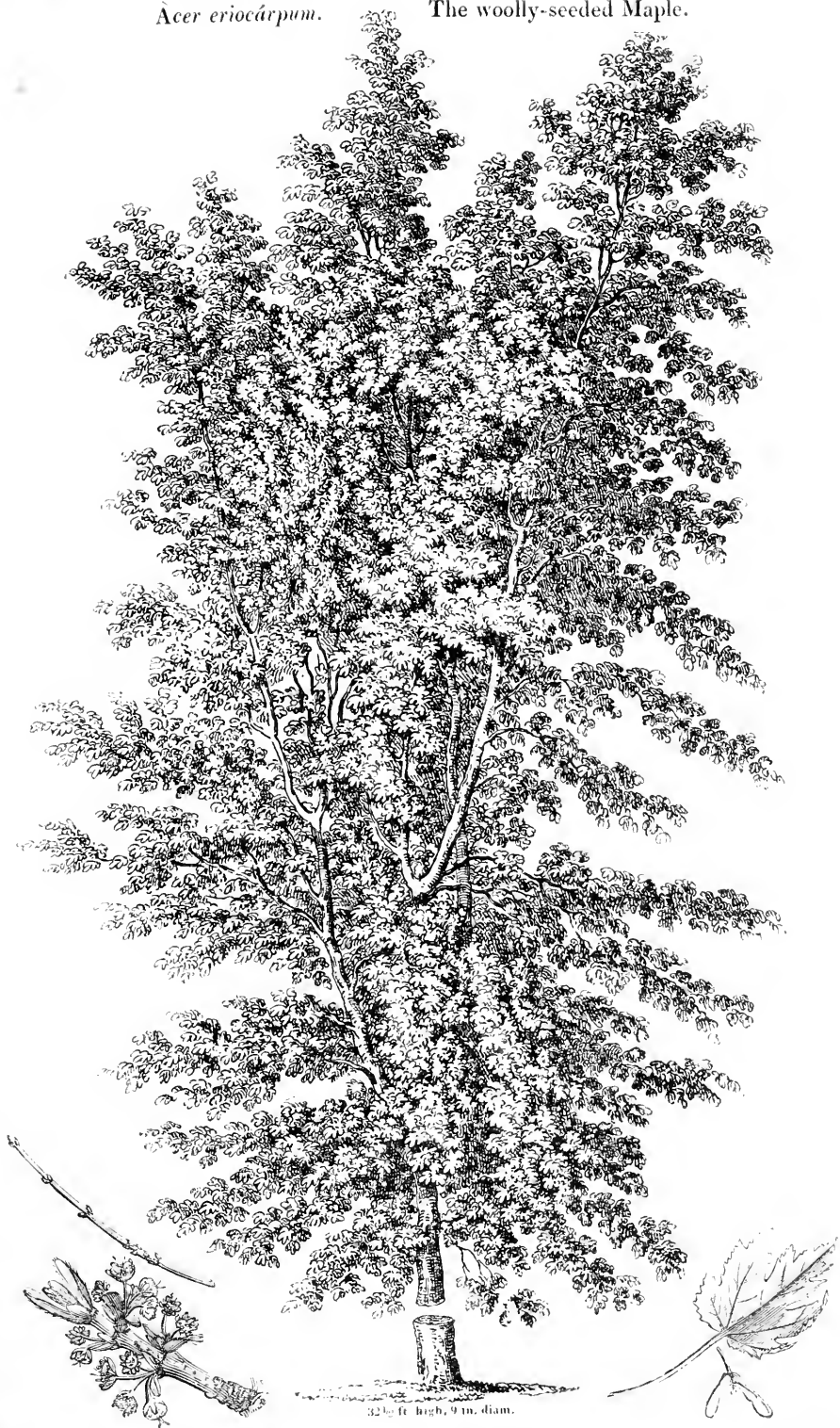






*Acer eriocarpum*.

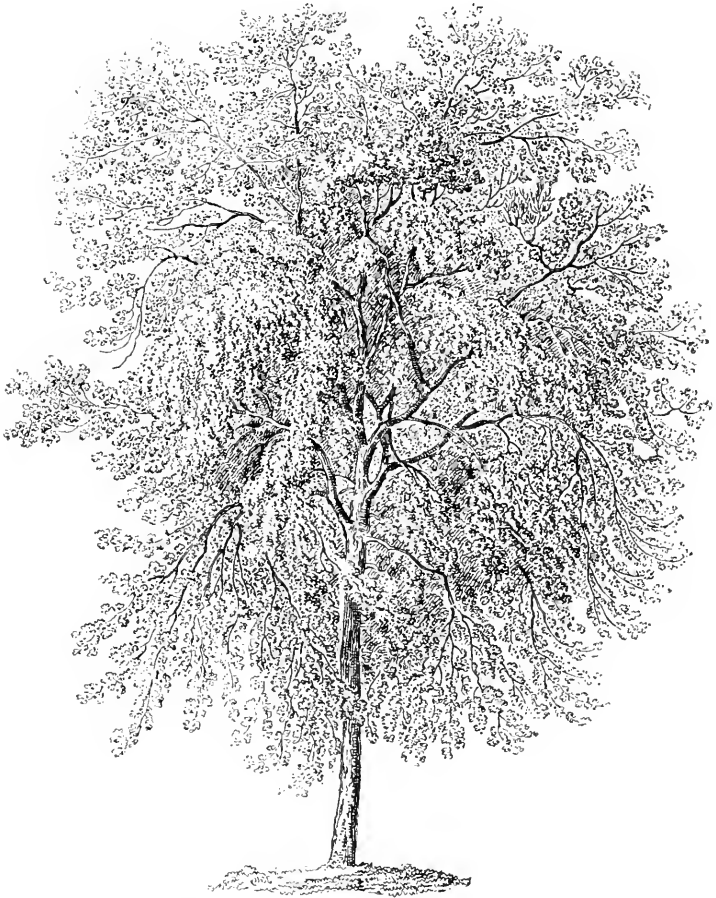
The woolly-seeded Maple.





*Acer eriocárpon.*

The woolly-fruited Maple.



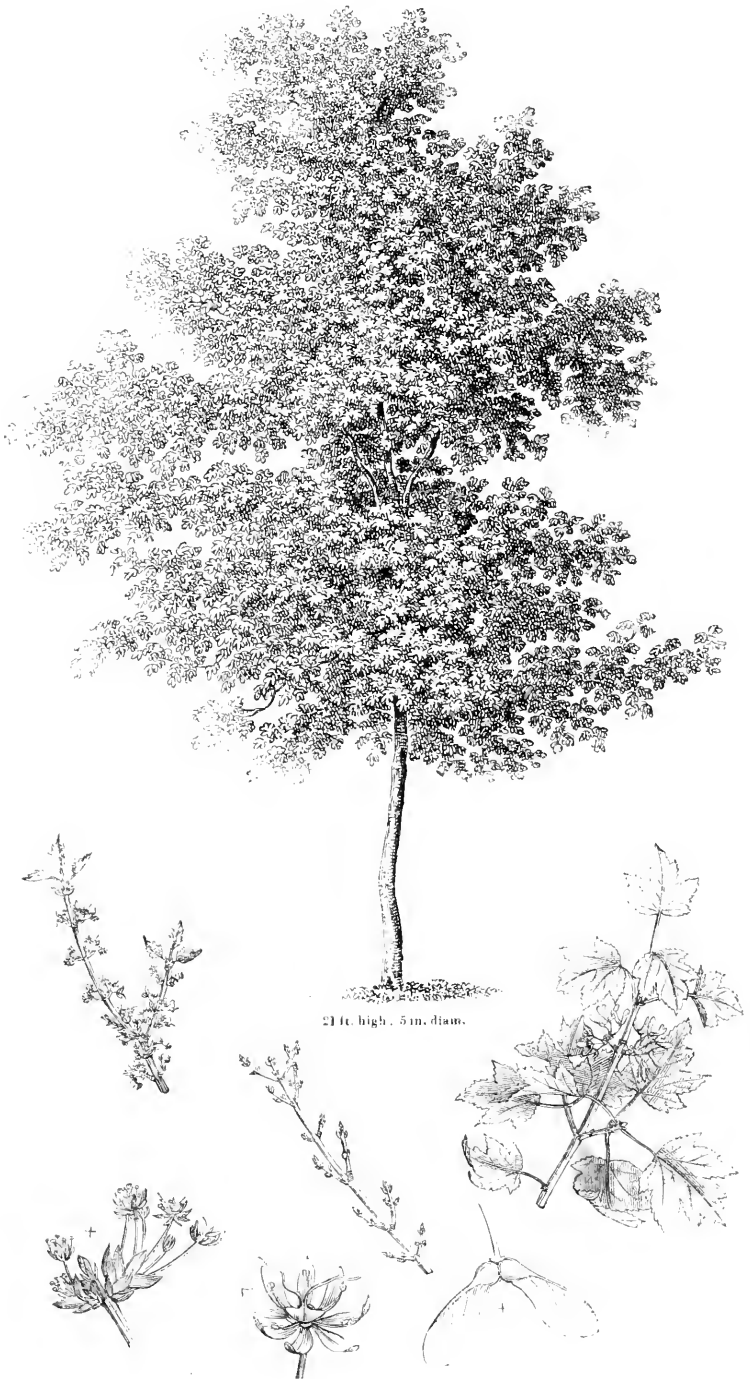
Full-grown tree at Kew, 56 ft. high; diam. of the trunk, 3 ft.; and of the head, 45 ft.  
[Scale 1 in. to 12 ft.]



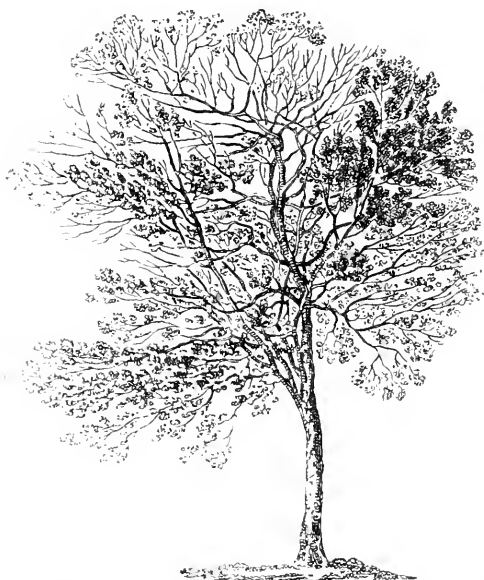


*Acer rubrum.*

The red-flowered Maple.





*Ācer rūbrum.*The Red, or *Swamp* Maple.

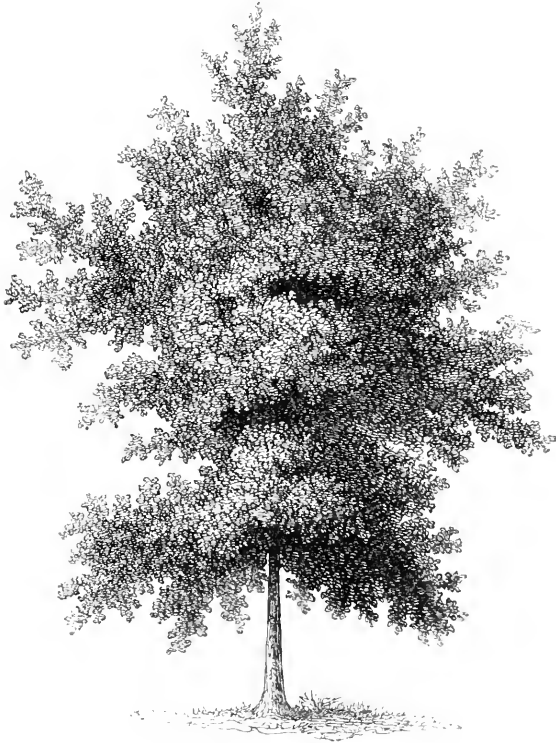
Full grown tree at Kew, 36 ft. high; diam. of the trunk, 2  $\frac{1}{2}$  ft.; and of the head, 30 ft  
[Scale 1 in. to 12 ft.]







*Acer monspessulanum.*  
The Montpelier Maple.



15 ft. high, 4 in. diam.



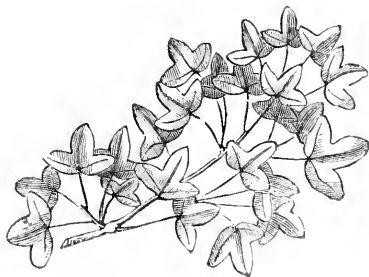


*Àcer monspessulànum.*

The Montpelier Maple.



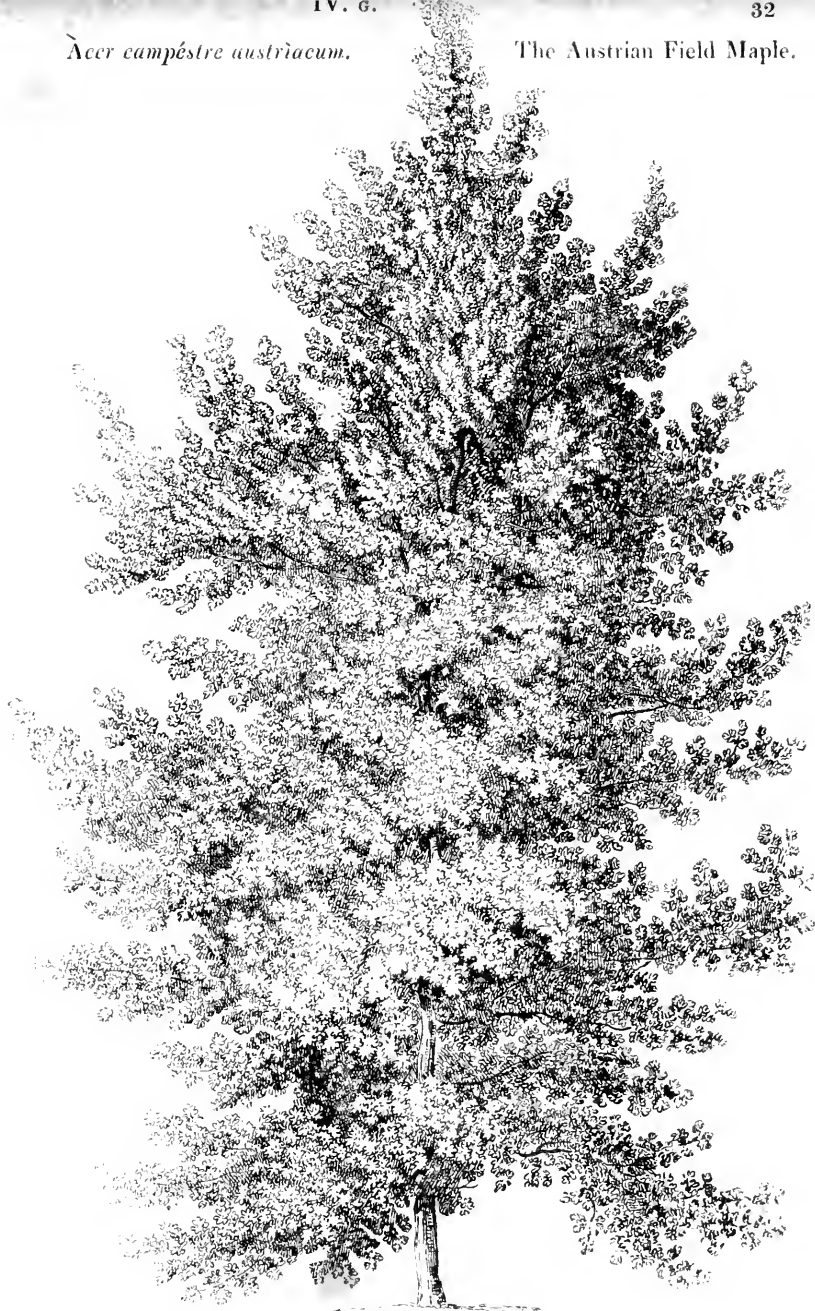
Full grown tree at Ham House, 30 ft. high; diam. of the head, 40 ft.; and of the trunk,  $1\frac{1}{2}$  ft.  
[Scale 1 in. to 12 ft.]



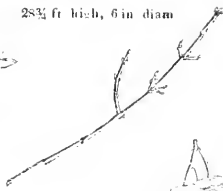


*Åcer campéstre austriacum.*

The Austrian Field Maple.



28½ ft high, 6 in diam





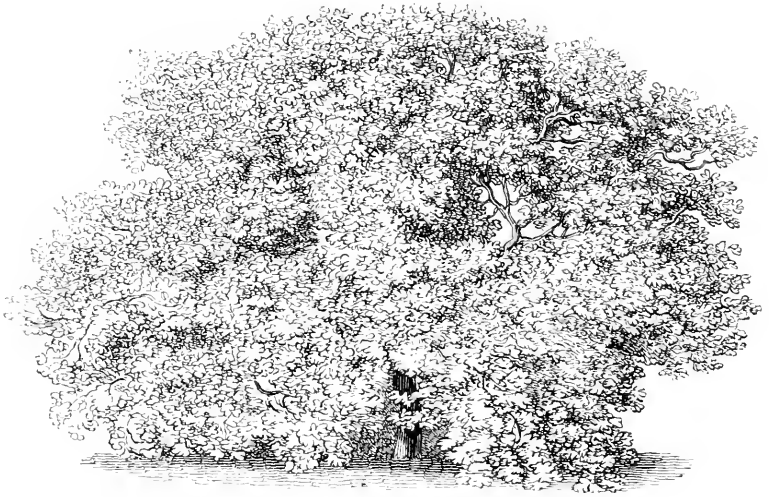
**INSERT FOLDOUT HERE**





*Acer créticum.*

The Cretan Maple.

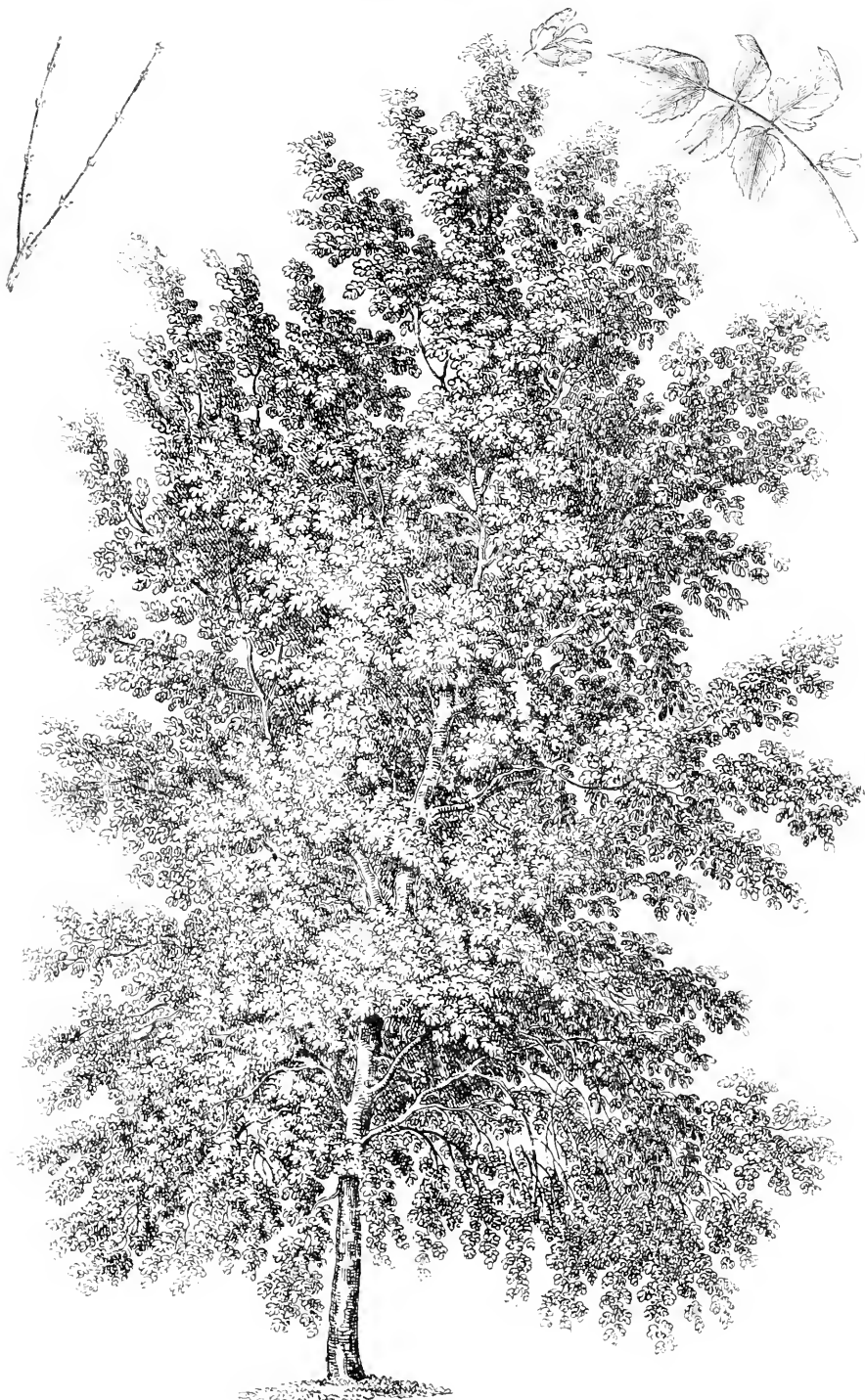


Full-grown tree at Syon, 28 ft. high; diam. of the trunk,  $2\frac{1}{2}$  ft.; and of the head, 48 ft.  
[Scale 1 in. to 12 ft.]





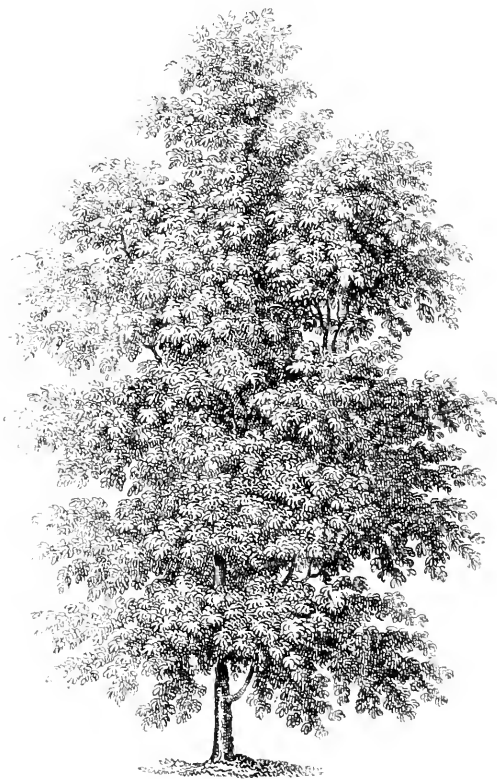
*Negundo fraxinifolium.*  
The Ash-leaved Box Elder.



6 ft. high; 2 in. diam.



*Negundo fraxinifolium crispum.*  
The curled Ash-leaved Box Elder.

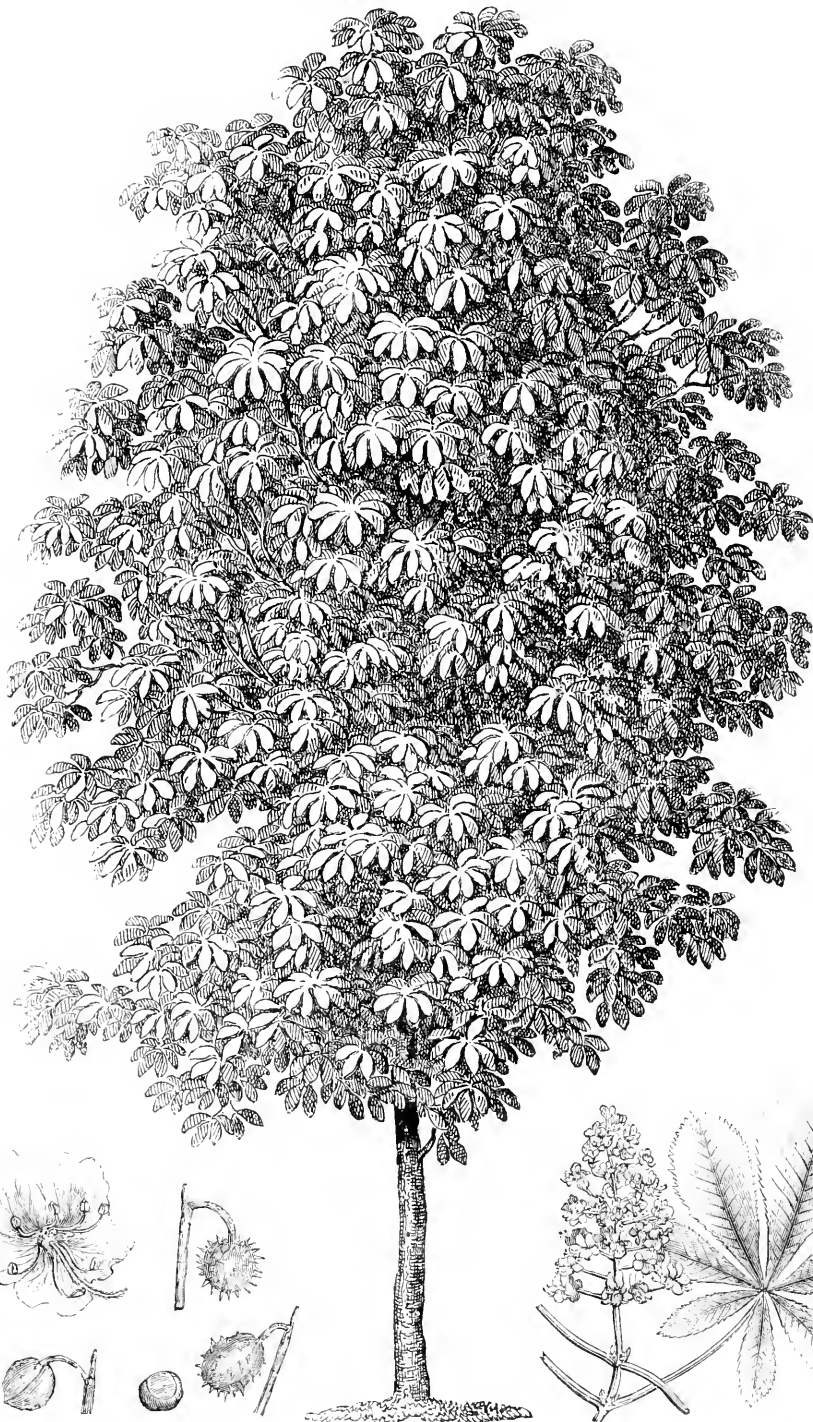


15¾ ft. high: 4½ in diam





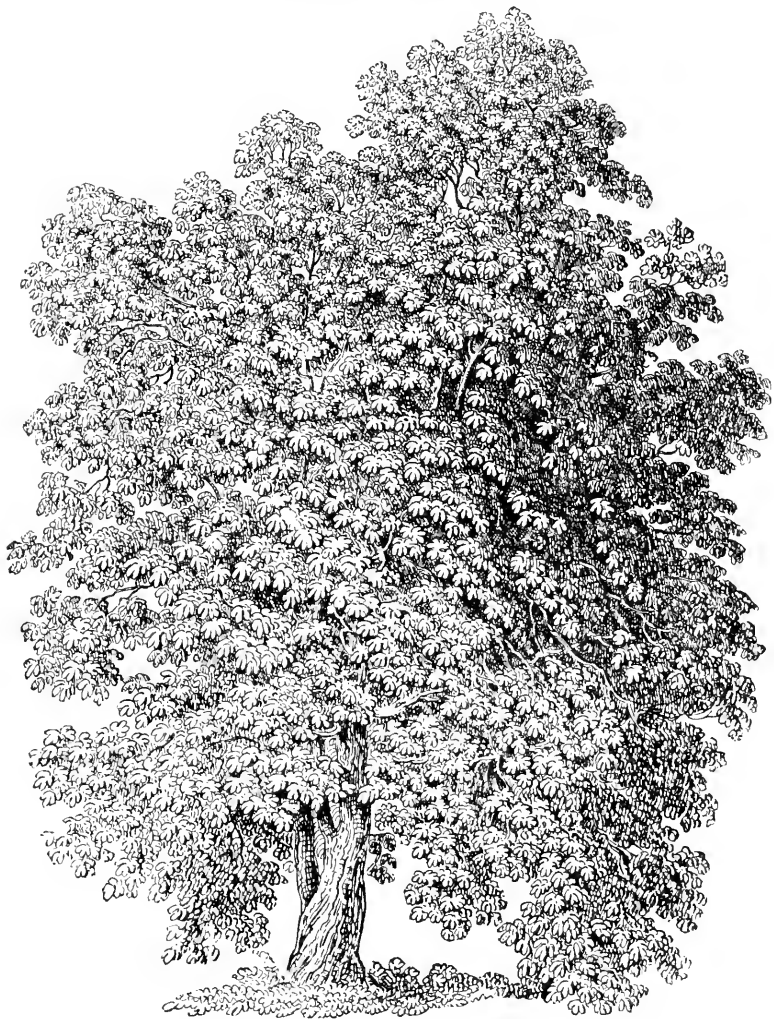
*Æsculus Hippocástanum.*  
The common Horse-chestnut.







*Æsculus Hippecástanum.*  
The *common* Horse-Chestnut.



Full-grown tree at Forty Hill, Enfield, 62 ft. high; diam. of the trunk, 4 ft.; and of the head, 48 ft.  
[Scale 1 in. to 12 ft.]



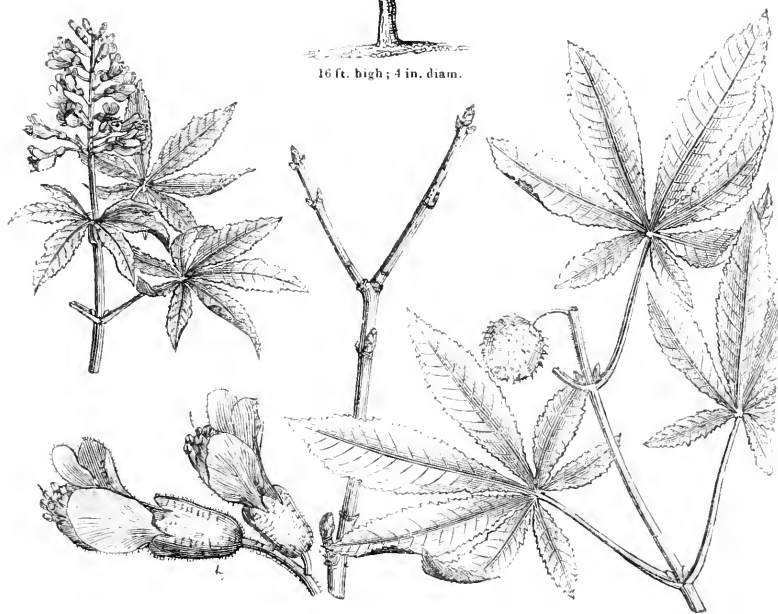


*Æsculus cárnea.*

The flesh-colour-flowered Horse-chestnut.



16 ft. high; 4 in. diam.





*Pavia rubra.*

The red-flowered Pavia, or smooth-fruited, Horse-chestnut tree.



10 ft. high.  $2\frac{1}{2}$  in. diam.





*Pavia rubra.*

The red-flowered Pavia, or smooth fruited, Horse chestnut tree.



Full-grown tree at Syon, 26 ft. high; several small trunks from the same root; head, 27 ft. diam.  
[Scale 1 in. to 12 ft.]







*Pavia húmilis péndula.*  
The pendulous-branched Pavia.



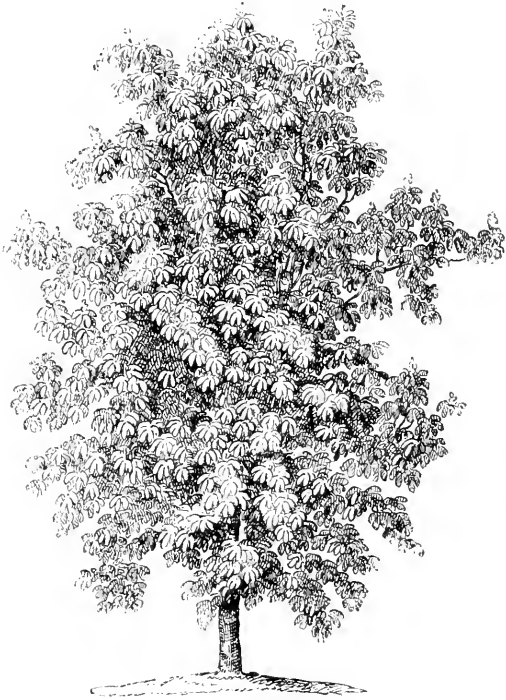
11 ft. high, 2  $\frac{3}{4}$  m. diam.





*Pavia flava.*

The yellow-flowered, Pavia, or smooth-fruited Horse-Chestnut.



15 ft. high, 6 in. diam.





*E'sculus (Pàvia) flàva.*

The yellow-flowered (Pavia) Horse-chestnut.



Full grown tree at Syon, 40 ft. high; trunk, 1 ft. 4 in. diam.; diam. of the head, 39 ft.





*Pavia macrocarpa.*  
The large-fruited Pavia.



13 ft. high, 3 in. diam.







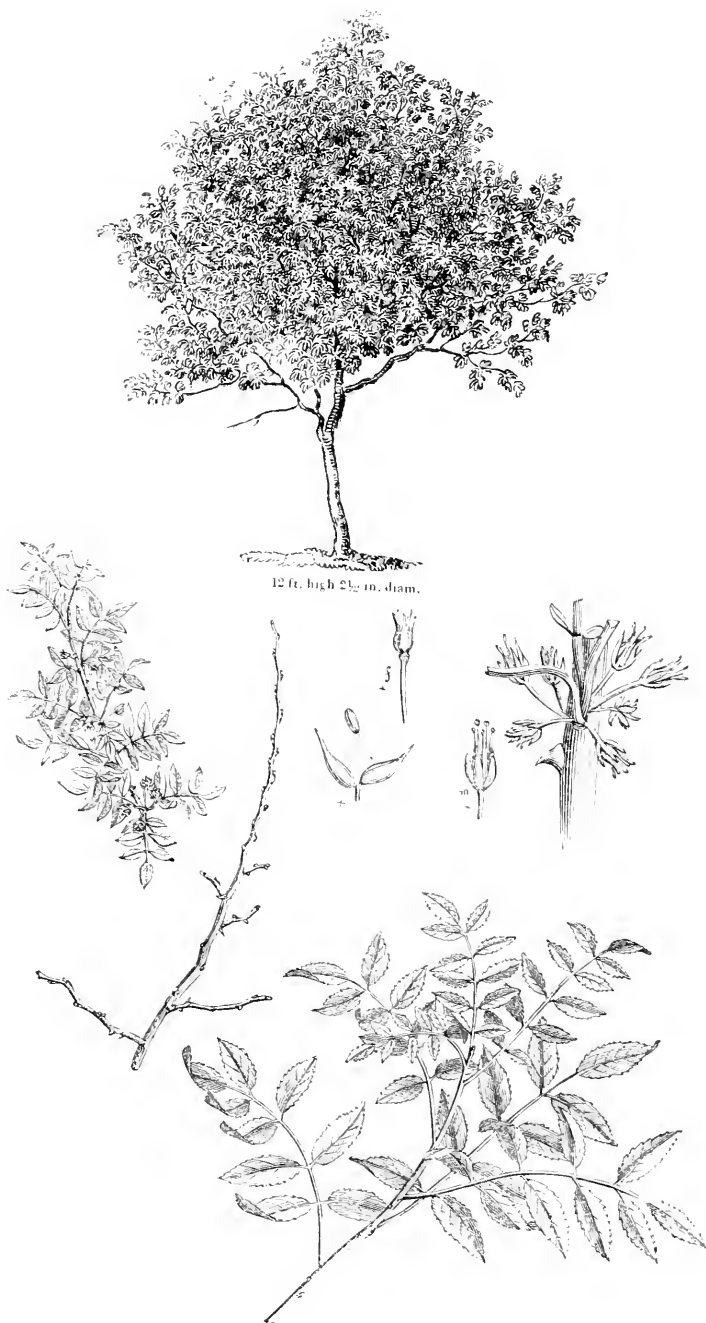
*Kölreutèria paniculàta.*

The panicked-flowered Kölreuteria.

11  $\frac{3}{4}$  ft. high, 3 in. diam.

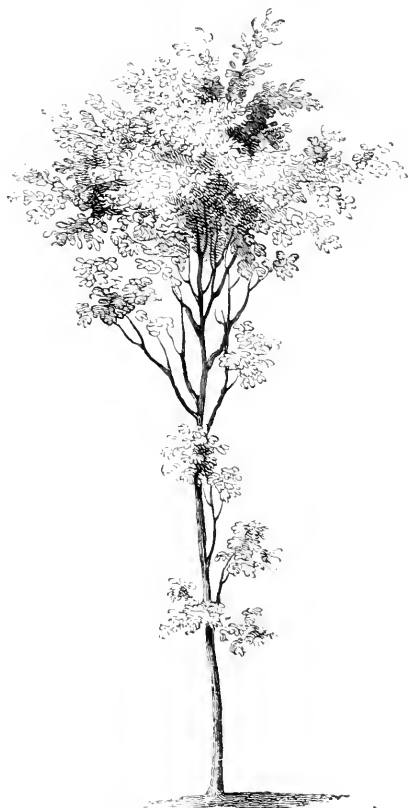


*Xanthoxylon fraxineum.*  
The Ash-leaved Tooth-ache Tree.





*Ptelea trifoliata.*  
The three-leafted Shrubby Trefoil.



16½ ft. high, 2½ in. diam.





*Ailántus glandulosa.*  
The glandulous-leaved Ailantus



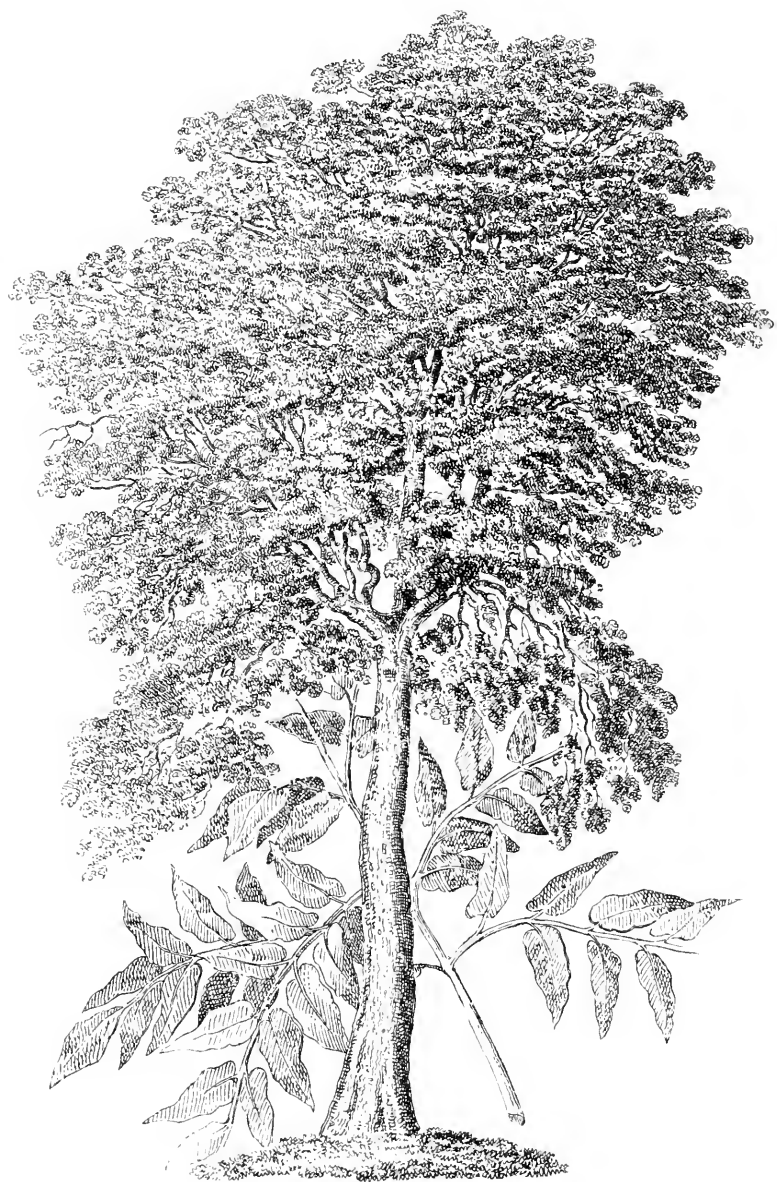
32 ft. high. 8 in. diam





*Ailántus glandulôsa.*

The glandulous-leaved Ailantus.



Full-grown tree at Syon, 71 ft. high.  
(Scale 1 in. to 12 ft.)

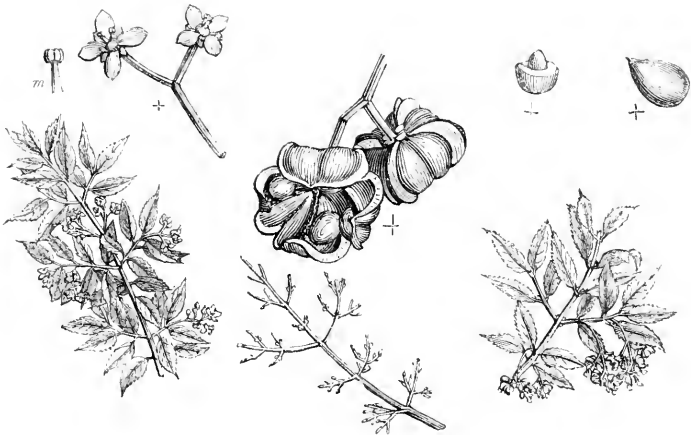


*Euonymus europæus.*

The European, or common Spindle tree.



10 ft. high, 2 ½ in. diam.





*Euonymus latifolius.*

The broad-leaved Spindle tree.



12 ft. high, 2 in. diam.



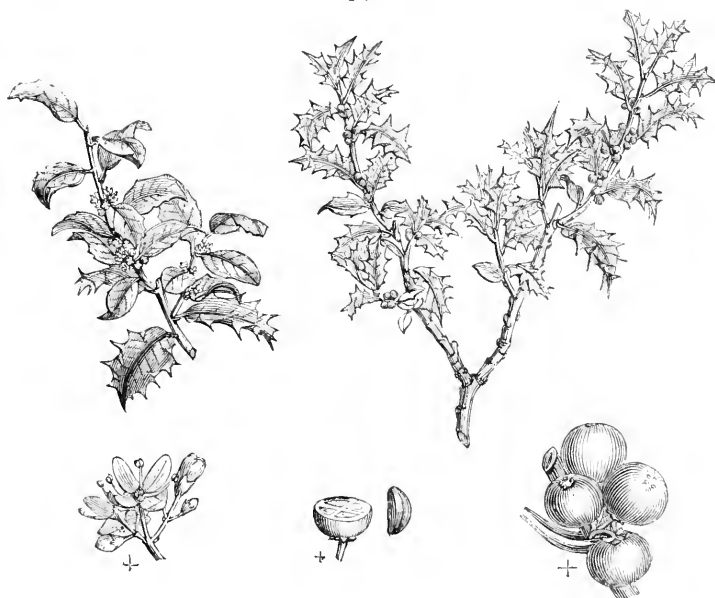


*Ilex Aquifolium.*

The sharp-leaved, or common, Holly.



14 ft. high, 3½ in. diam

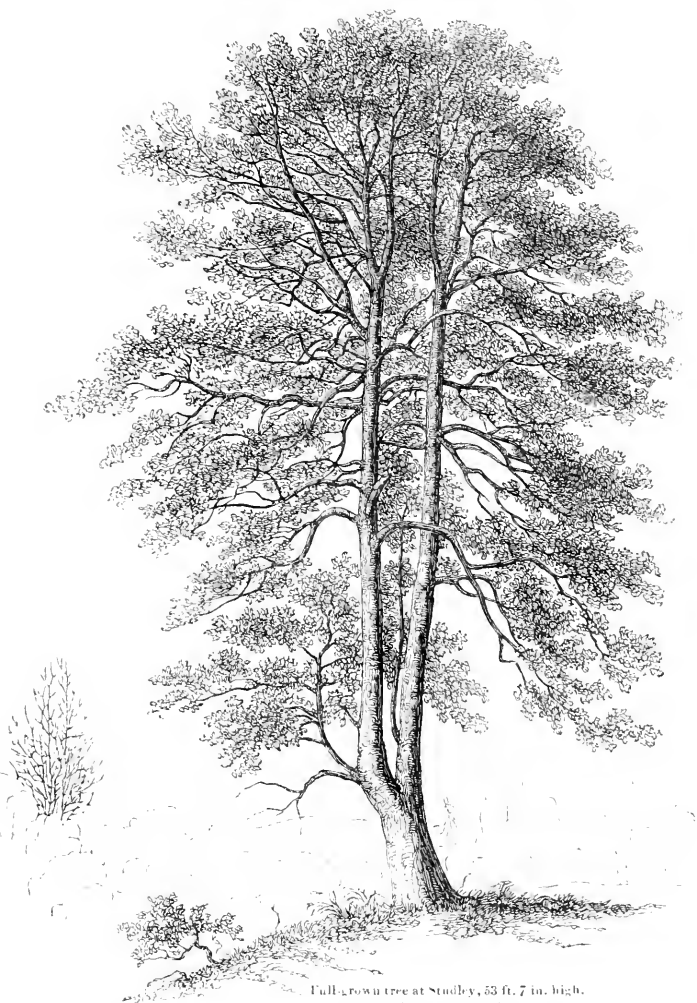






*Ilex Aquifolium.*

The sharp-leaved, or common, Holly.



Full-grown tree at Studley, 53 ft. 7 in. high.

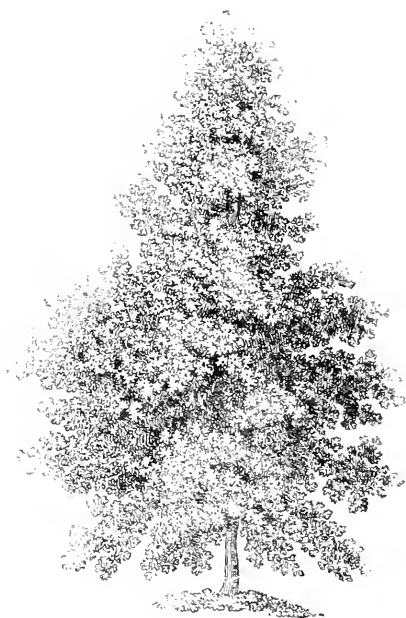
[Scale 1 in. to 12 ft.]





*Ilex opaca.*

The opaque-leaved Holly.



12 ft. h., 2 1/2 ft. diam.





*Ilex opaca.*

The opaque-leaved Holly.



Full-grown tree at Syon, 18 ft. high ; diam. of the trunk, 1 ft. , and of the branches, 23 ft.

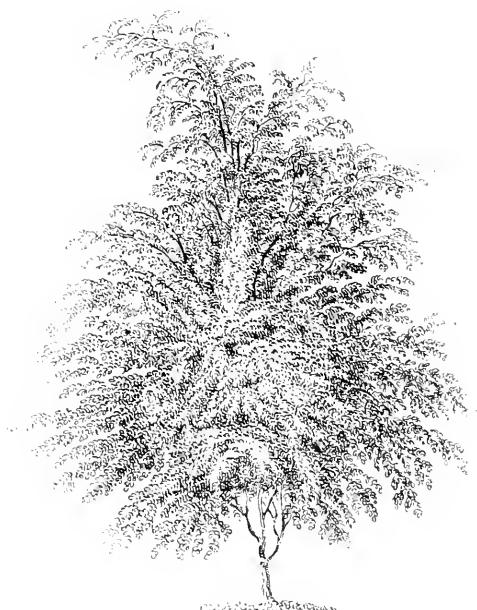
[Scale 1 in. to 12 ft.]



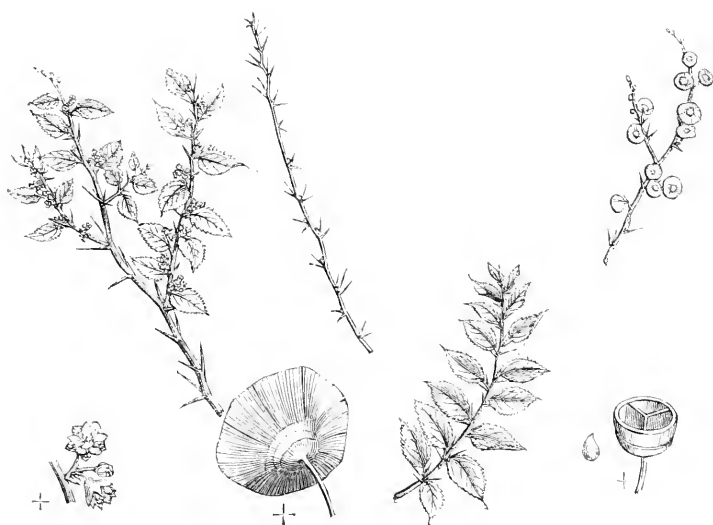


*Paliurus aculeatus.*

The prickly Christ's Thorn.



13½ ft. high, 2 in. diam.







*Paliurus aculeatus.*

The prickly Paliurus, or *Christ's thorn*.

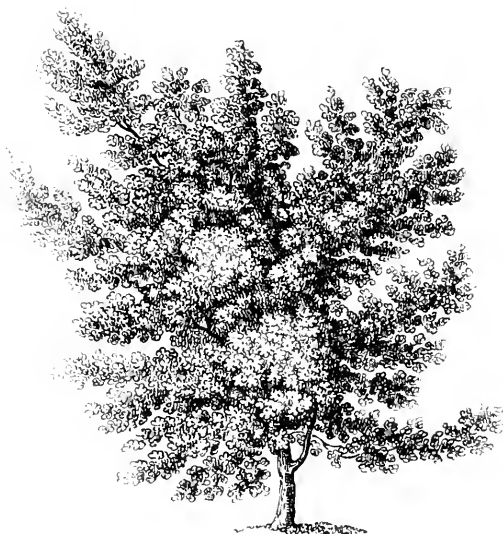


Full grown tree at Syon, 33 ft. high; diam. of the trunk, 1 ft.; and of the head, 30 ft.  
[Scale 1 in. to 12 ft.]





*Rhámnus cathárticus.*  
The purging Blackthorn.

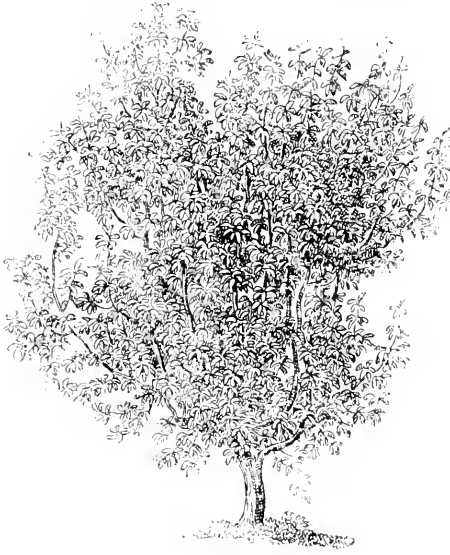


12 ft. high,  $3\frac{1}{2}$  in diam.





*Rhāmnus ālpinus.*  
The Alpine Rhamnus, or *Buckthorn*.



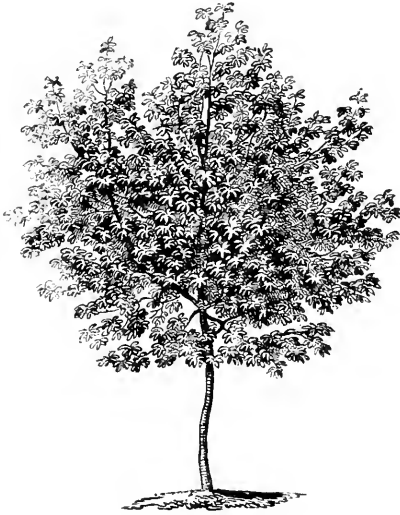
11 ft. high, 3 in. diam.



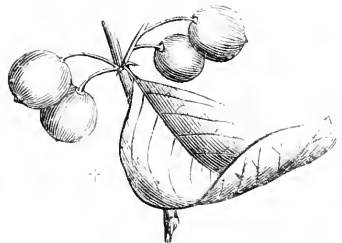
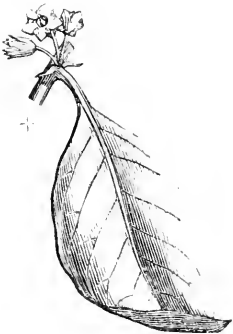


*Rhámnus Frángula.*

The Frangula, or brittle-wooded, Buckthorn.



10 ft. high, 1½ in. diam.





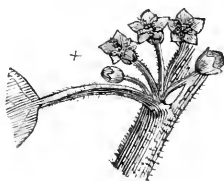


*Rhámnus latifolius.*

The broad-leaved Buck-thorn.



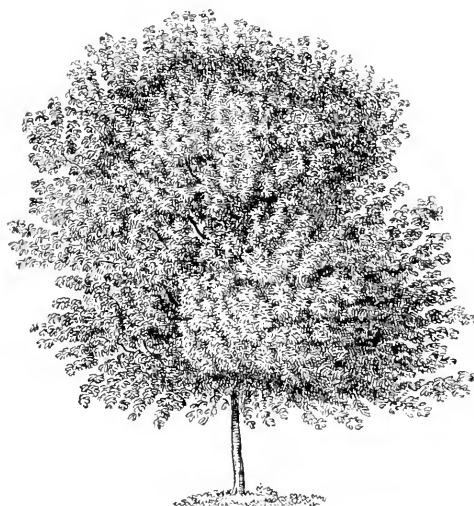
11 ft. high, 3½ in. diam.



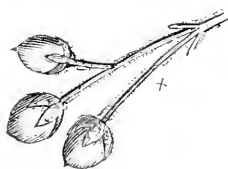


*Aristotelia Macqui.*

The Macqui Aristotelia.



10 ft. high, 1½ in. diam.





*Sophora japonica.*  
The Japanese Sophora.



20 ft. high 9 in. diam.





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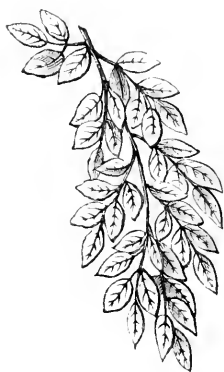


*Sophora japonica pëndula.*

The drooping-*branched* Japanese Sophora.



12 ft. high, 3 in diam.

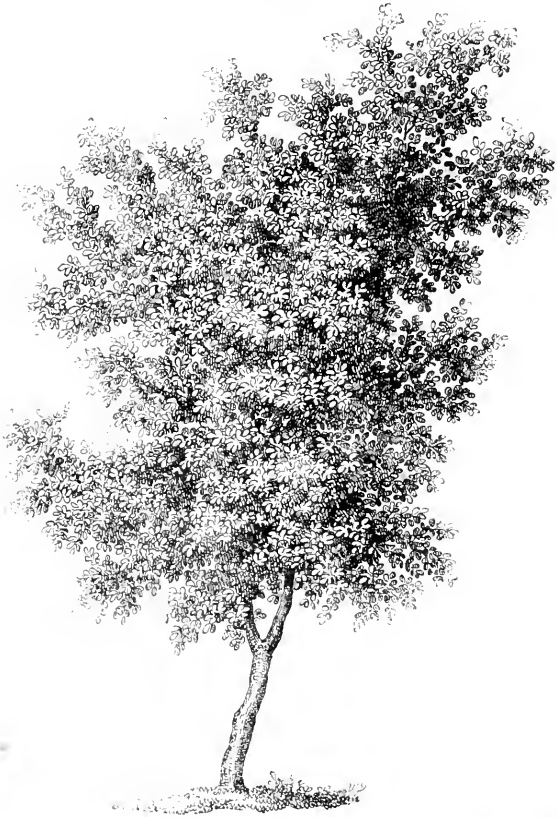




## XVIII. A.

*Virgilia lutea.*

The yellow-wooded Virgilia.

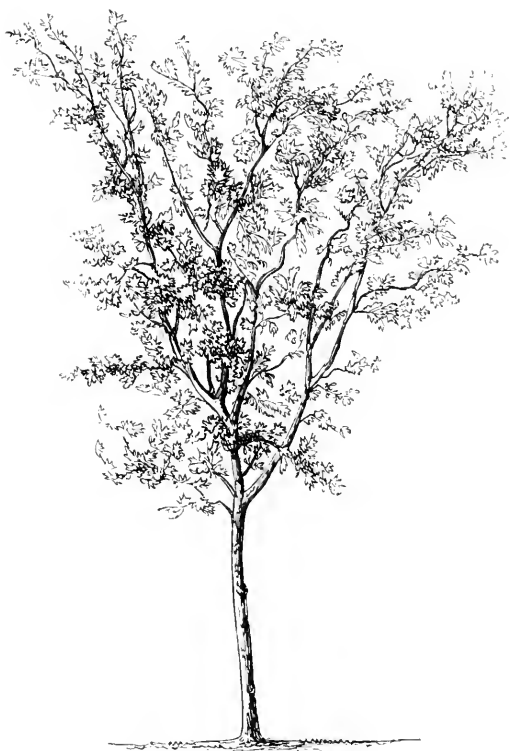


17 ft. high, 5 1/2 in. diam.

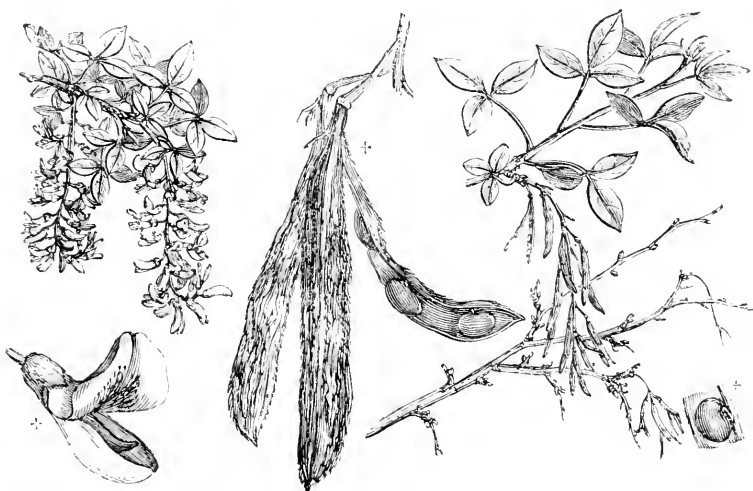




*Cytisus Laburnum.*  
The common Laburnum.

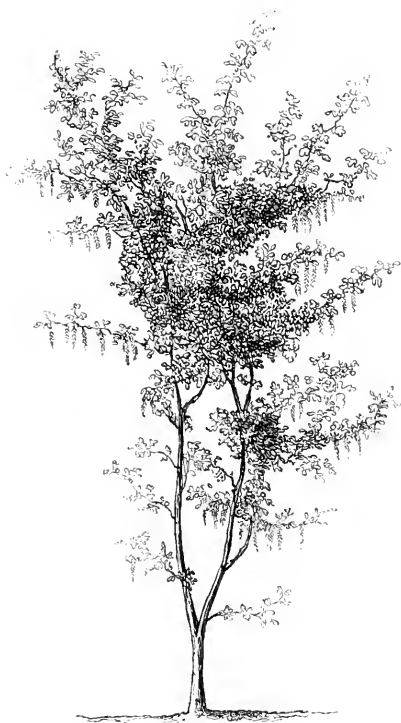


15 ft. high, 5 in. diam.





*Cytisus Laburnum incisum.*  
The cut-leaved Laburnum.



15 ft high, 3 in. diam.





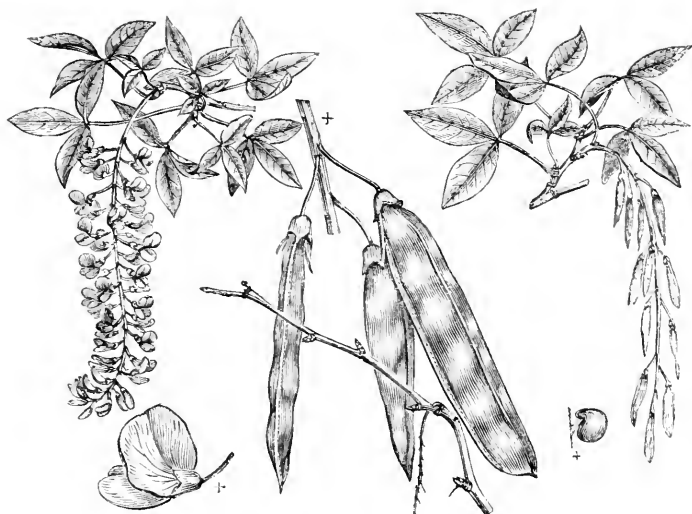


*Cytisus alpinus.*

The alpine Cytisus, or Scotch Laburnum.



12 ft. high, 3½ in. diam.



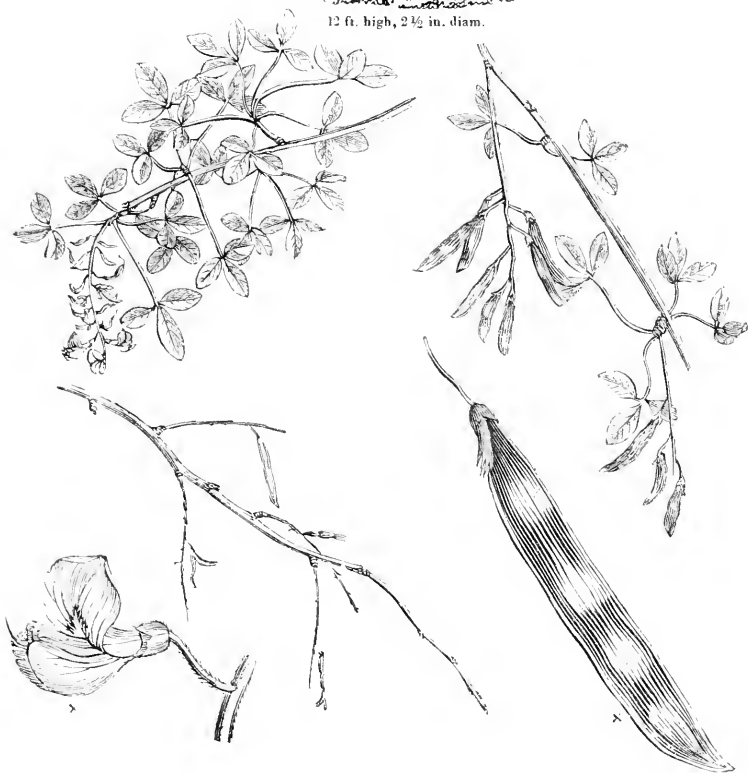


*Cytisus L. alpinus pëndulam.*

The pendulous Alpine, or Scotch, Laburnum.



12 ft. high, 2 1/4 in. diam.





*Robinia Pseud-Acacia.*  
The Robinia, or False Acacia.





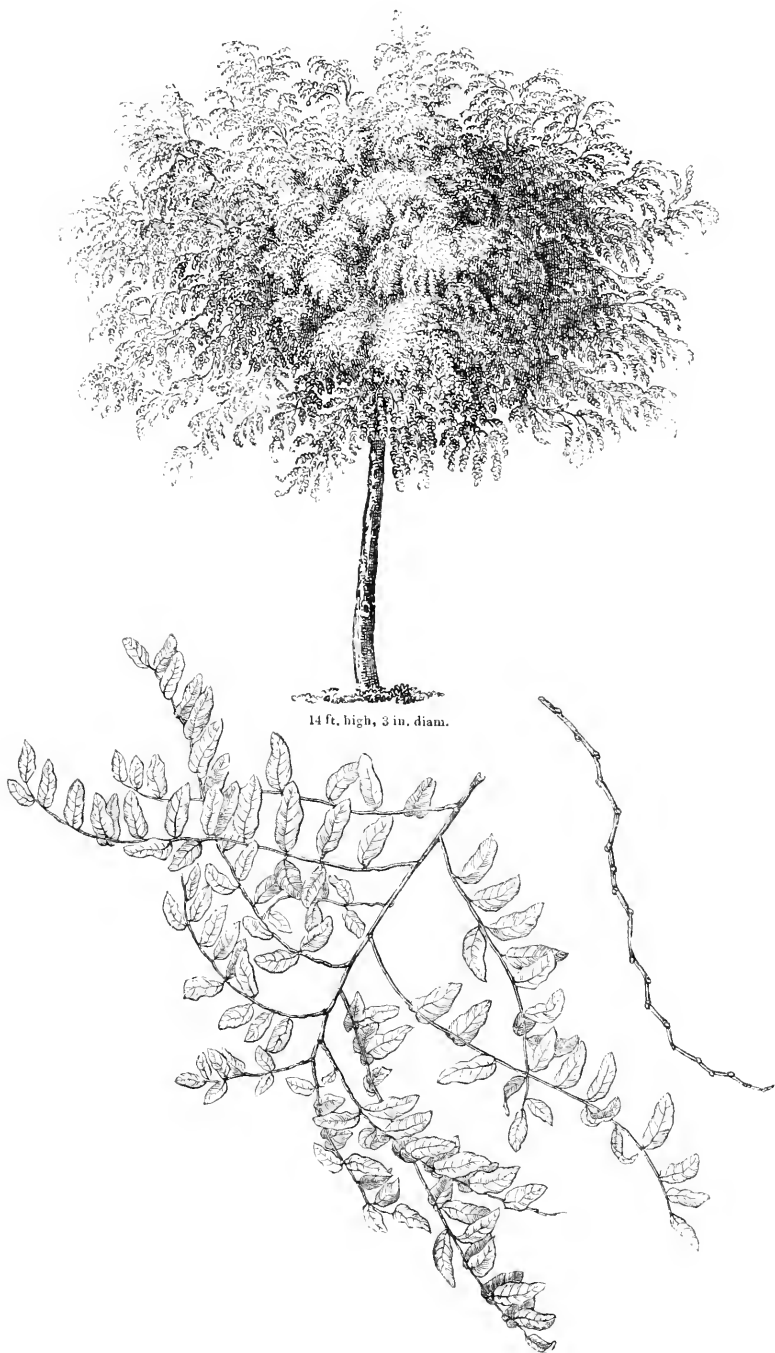
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*Robinia Pseud-acacia umbraculifera.*

The Umbrella, or *Parasol*, False Acacia Robinia.





*Robinia Pseùd-Acàcia tortuòsa.*

The twisted-leaved Robinia, or False Acacia.



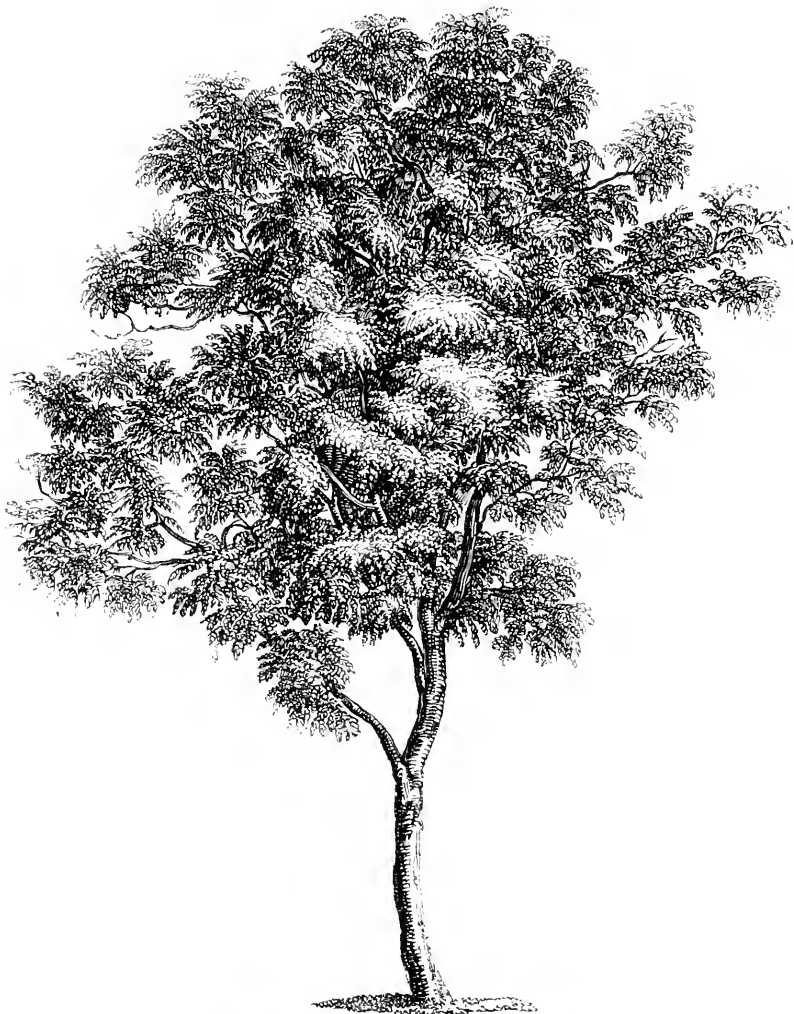
12 ft. high, 3  $\frac{1}{2}$  in. diam.



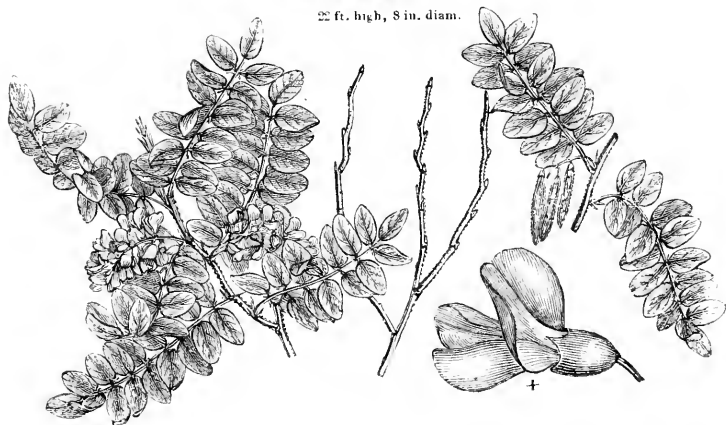


*Robinia viscôsa.*

The clammy Robinia.



22 ft. high, 8 in. diam.



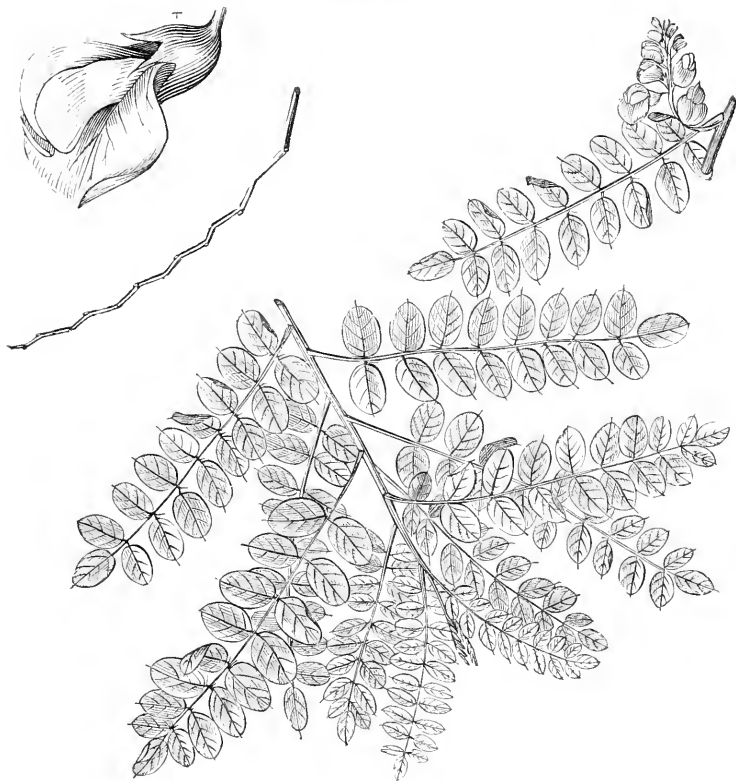


*Robinia (hispida) macrophylla.*

The long-leaved Robinia, or *Rose Acacia*.



8½ ft. high, 2½ in. diam.







*Caragana arborescens.*

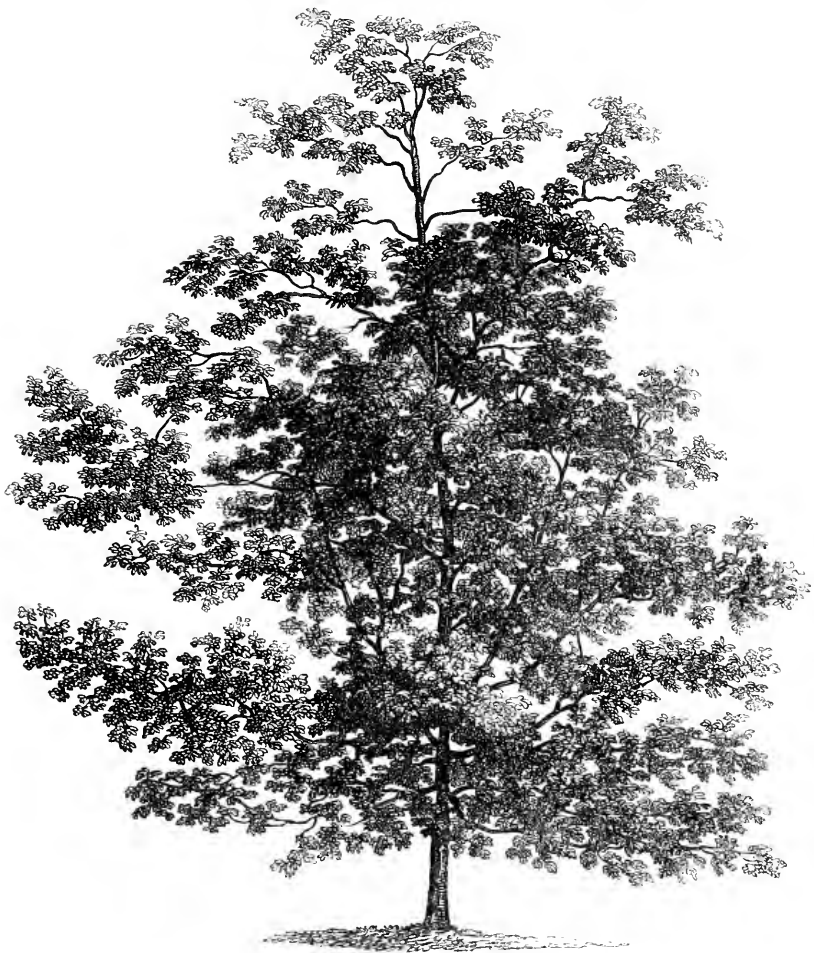
The arborescent Caragana, or *Siberian Pea tree*.



11 ft. high, 3 in. diam.





*Gleditsia triacanthos.*The three-spined Gleditschia, or *Honey Locust*.

19½ ft. high; 3½ in. diam.





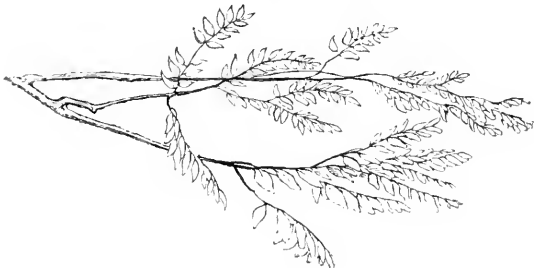
*Gleditschia triacanthos.*

The three-thorned Gleditschia, or *Honey Locust*.



Full-grown tree at Syon, 68 ft. high; diam. of the trunk, 2 ft. 3 in.; and of the head, 40 ft.

[Scale 1 in. to 12 ft.]





*Gleditschia (triacanthos) inermis.*

The unarmed or thoruleless *Gleditschia*, or *Honey Locust*.







*Gleditschia inermis.*

The unarmed *Gleditschia*, or *Honey Locust Tree*.



Full grown tree at Syon, 72 ft. high; trunk, 2 ft. 4 in. diam.; head, 71 ft. diam. ]  
[Scale 1 in. to 12 ft.]





*Gleditschia hórrida.*

The horrid-spined *Gleditschia*, or *Honey Locust*.



Full-sized tree from Syon, 54 ft. high, diam. of the trunk, 3 ft.; and of the head, 54 ft.





*Gleditschia japonica.*  
The Japan Gleditschia.



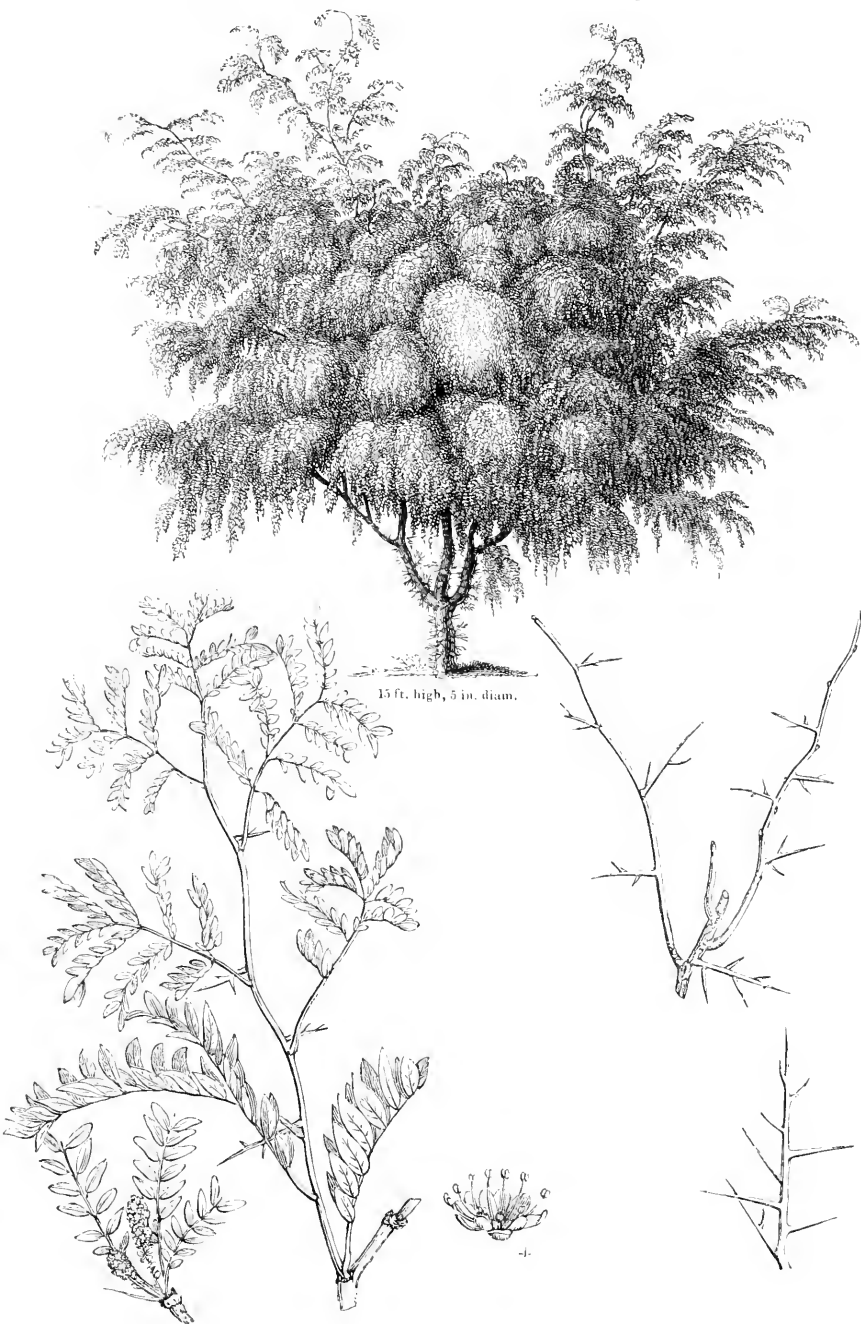
10 ft. high, 2 ½ in. diam.





*Gleditschia hórrida nàna.*

The dwarf horridly-spined Gleditschia, or Honey Locust.







*Gleditschia hórrida purpúrea.*

The purple horridly-spined *Gleditschia*, or *Honey Locust*.



12 ft. high, 2 in. diam.





*Gleditschia macracantha.*

The long-spined *Gleditschia*, or *Honey Locust*.



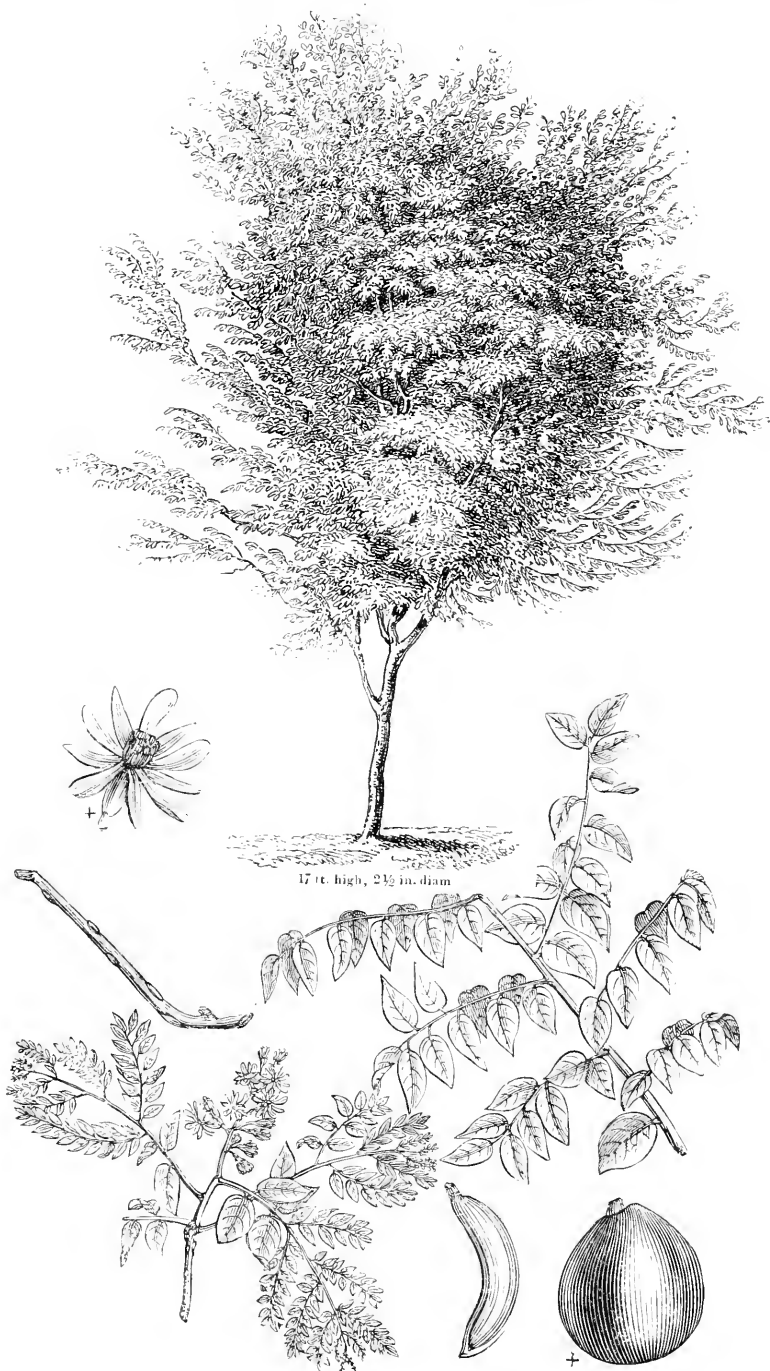
Full-grown tree at Syon, 57 ft. high; diam. of the trunk, 3 ft.; and of the head, 63 ft.  
[Scale 1 in. to 12 ft.]





*Gymnócladus canadensis.*

The Canadian Gymnocladus, or *Kentucky Coffee tree*.





*Gymnócladus canadénsis.*

The Canadian Gymnocladus, or *Kentucky Coffee tree*.



Full-grown tree at Syon, 57 ft. high, diam. of the trunk, 3 ft.; and of the head, 47 ft.

[Scale 1 in. to 12 ft.]







*Cercis Siliquastrum.*  
The common Judas tree.



11 ft. high,  $3\frac{1}{2}$  in. diam.





*Cercis Siliquástrum.*  
The *common* Judas tree.

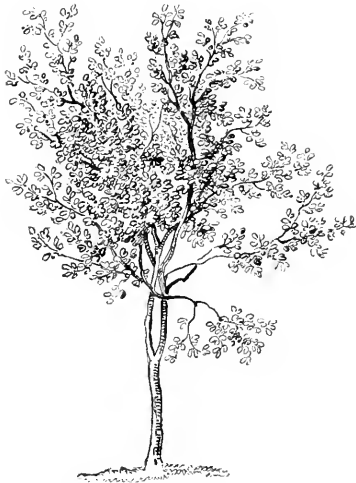


Full-grown tree at Syon, 24 ft. high; diam. of the trunk, 2 ft.; and of the head, 32 ft.  
[Scale 1 in. to 12 ft.]





*Cercis canadensis.*  
The Canadian Judas tree.



10 ft. high, 2 in. diam.





*Acacia dealbata.*  
The whitened Acacia.



18 ft. high, 3 in. diam.













